



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
MC 61-53 IGCN 1003
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: November 9, 2007
RE: Chrysler, LLC Kokomo Casting Plant / 067-254801-00065
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER.dot 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

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Kristin M. Jarrett
Chrysler, LLC
Kokomo Casting Plant
1001 East Boulevard
Kokomo, Indiana 46904

November 9, 2007

Re: Interim Minor Source Modification Approval
067-25480I-00065

Dear Kristin M. Jarrett:

On October 31, 2007, the Office of Air Quality (OAQ) received an interim minor source modification petition from Chrysler, LLC Kokomo Casting Plant, 1001 East Boulevard, Kokomo, Indiana. Based on the data and information submitted in the petition and the provisions in 326 IAC 2-13-1, this interim minor source modification petition is hereby approved for:

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

Detailed conditions will be specified in the final minor source modification **067-25480-00065**. This interim minor source modification expires on the effective date of the final minor source modification. This interim minor source modification may be revoked after its effective date upon a written finding by the OAQ that any of the reasons for denial in 326 IAC 2-13-1(h) exist or if the final minor source modification is denied. The facilities subject to this approval may not operate until the final significant permit modification is issued by OAQ.

Chrysler, LLC kokomo Casting Plant
Kokomo, Indiana
Permit Reviewer: Josiah Balogun

Page 2 of 2
Interim MSM 067-25480I-00065

If you have any questions about this Interim Minor Source Modification approval, please contact Josiah Balogun, OAQ, 100 North Senate Avenue, MC 61-53, Indianapolis, Indiana 46204-2251, or call at (800) 451-6027, and ask for Josiah Balogun or extension 4-5257 or dial (317)234-5257

Sincerely/Original Signed By:

Nisha Sizemore, Chief
Permit Branch
Office of Air Quality

JB
cc: File -- Howard County
Howard County Health Department
Permit Tracking

**Indiana Department of Environmental Management
Office of Air Quality**

Interim Petition Checklist		
Instructions: (a) Please answer yes or no. (b) Enclosed this checklist with the completed interim petition package.		
Company Name: Chrysler, LLC Kokomo casting Plant		
Location:		
YES	1.	Is the written interim petition prepared?
YES	2.	Is the written petition signed and dated?
N/A	3.	Is the public notice drafted?
NO	4.	Is the \$625 filing and review fee enclosed?
NO	5.	Is the account number written on the check or money order?
YES	6.	Is the Affidavit of Construction signed, dated, and notarized?
YES	7.	Is the proposed modification/revision described in detail?
YES	8.	Is the proposed modification/revision a modification or addition to an existing source?
YES	9.	Is the proposed modification/revision located in an attainment area for all the criteria pollutants?
NO	10.	Is the proposed modification/revision located in a nonattainment area? If yes, answer No. 11.
N/A	11.	Is the pollutant, which the nonattainment designation is based on, going to be emitted in this proposed modification/revision?
YES	12.	Are potential emissions calculated?
YES	13.	Is federal enforceability consent specifically indicated?
YES	14.	Are specific conditions, limitations, and/or restrictions included that preclude applicability of PSD?
N/A	15.	Are specific conditions, limitations, and/or restrictions included that preclude applicability of NSPS?
N/A	16.	Are specific conditions, limitations, and/or restrictions included that preclude applicability of NESHAP?
YES	17.	Are specific conditions, limitations, and/or restrictions included that assure compliance with all applicable state air pollution rules?
YES	18.	Has a regular modification/revision permit application been submitted to OAQ?
YES	19.	Is a regular modification/revision permit application going to be submitted to OAQ? If yes, indicate approximate date of submission:
NO	20.	Has the proposed modification/revision commenced prior to the submission of the interim permit petition?
N/A	21.	The interim petition comment period has been decided to be: _____ 14 calendar days
Additional Comments: N/A: Not applicable. Chrysler said the bill is going to be paid when billed by IDEM.		

Affidavit of Construction

I, Kenneth R. Moore, being duly sworn upon my oath, depose and say:

1. I live in Hamilton County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.
2. I hold the position of Plant Manager for Chrysler LLC - Kokomo Casting Plant.
3. By virtue of my position with Chrysler LLC - Kokomo Casting Plant, I have personal knowledge of the representations contained in this affidavit and am authorized to make these representations on behalf of Chrysler LLC - Kokomo Casting Plant.
4. I, the undersigned, have submitted an interim (minor permit revision, significant permit revision, minor source modification, significant source modification) petition to the Office of Air Management for the construction of 2 Reverberatory Furnaces.
5. Chrysler LLC - Kokomo Casting Plant recognizes the following risks:
 - (a) Own financial risk, (b) that IDEM may require additional or different control technology for the final approval, (c) that IDEM may deny issuance of the final approval, and (d) any additional air permitting requirements.

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature: *Kenneth R. Moore*
Printed Name: Kenneth R. Moore
Phone: (765) 454-1235
Date: 10/30/07

(STATE OF INDIANA)
(COUNTY OF Howard)

Subscribed and sworn to me, a notary public in and for Howard County and State of Indiana on this 30th day of October, 20 07.

My Commission expires: August 30, 2014

Signature: *Patricia A. Cohee*
Printed Name: Patricia A. Cohee

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT**

**PETITION FOR INTERIM MINOR PERMIT REVISION, AND MINOR SOURCE
MODIFICATION**

Source Name: Chrysler LLC - Kokomo Casting Plant
Source Address: 1001 E. Boulevard, Kokomo, IN 46904
Mailing Address: 1001 E. Boulevard, Kokomo, IN 46904
SIC Code: 3363

Description of the Operation or Equipment:

Chrysler LLC (Chrysler) is considering the installation of the following equipment at its Kokomo Casting Plant (KCP). Two (2) reverberatory furnaces are proposed to be installed for the purpose of melting aluminum ingots and clean scrap aluminum to produce aluminum castings. The potential criteria pollutant emissions from this equipment would be comprised mainly of particulate matter less than 10 microns (PM10) from the reverberatory furnaces, as well as criteria pollutant emissions from natural gas combustion. Potential Hazardous Air Pollutant (HAP) emissions are minimal.

The requested allowable PM10 emissions are 0.40 lb PM10/ton of melting or remelting, with a combined annual throughput of 65,000 tons. The remaining criteria pollutant emissions as well as the PM10 emissions from fluxing are equal to the potential emissions from the furnaces.

Potential To Emit:

The above listed equipment will emit criteria pollutants. Requested allowable PM10 emissions and potential emissions for the remaining criteria pollutants from the equipment are presented below in tons per year (TPY).

Criteria Pollutants		
Pollutant	Potential Emissions (TPY)	PSD Permit Threshold (TPY)
NOx	9.57	40
CO	8.04	100
VOC	0.53	40
PM10	14.50	15
SO2	0.06	40
Pb	0.12	0.6

PSD Requirements:

KCP is located in Howard County, which is currently considered an attainment or unclassifiable area for all criteria pollutants. Potential emissions of criteria pollutants have been considered in accordance with U.S. Environmental Protection Agency (EPA) guidance. The requested allowable emissions of criteria pollutants from the installation under consideration will be less than the threshold which would trigger the need for review under the federal PSD program.

NSPS Requirements:

There are no NSPS applicable to these types of processes as referenced in 326 IAC 12 or 40 CFR 60.

NESHAP Requirements:

The installation under consideration is not subject to NESHAPs (40 CFR 61 and 40 CFR 43, which are incorporated by reference in 326 IAC 14) or the Clean Air Act (CAA) 112(g) case by case Maximum Achievable Control Technology (MACT) requirements. The potential HAP emissions expected from the installation under consideration are well below individual and combined HAP emissions thresholds of 10 TPY and 25 TPY, respectively.

State Rules & Requirements:

The State of Indiana does not have an air toxics program other than that required by federal regulations (i.e., 112(g) for HAPs). PM emissions are limited by 326 IAC 6.5-1-2 to 0.03 grains/dscf. The facility will comply with this limitation.

Federal Enforceability:

The company consents to the federal enforceability of this interim petition.

Signature: _____

Printed Name: Kenneth R. Moore

Title or Position: Plant Manager

Phone No.: (765) 454-1234

Date: _____

**Chrysler LLC - Kokomo Casting Plant
Proposed Permit Conditions
Reverberatory Furnaces Installation**

Suggested Construction Conditions

1. That the data and information supplied with the application shall be considered part of this permit. Prior to any proposed change in construction which may affect potential emissions, this change must be approved by the Office of Air Management (OAM).
2. That this permit to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Department of Environmental Management Law (IC 13-7), Air Pollution Control Law (IC 13-1-1) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. That the equipment shall be installed in accordance with the manufacturer's specifications and as stated in the application.
4. That pursuant to 326 IAC 2-1.1-9 (5) the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is discontinued for a period of one (1) year or more.
5. That notwithstanding Condition No.6, all requirements and conditions of this construction permit shall remain in effect unless modified consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2.
6. That this document shall become the first-time operation permit pursuant to 326 IAC 2-5.1-4 when, prior to start of operation, the following requirements are met:
 - a. The attached affidavit shall be submitted to the OAM, verifying that the facilities were constructed as proposed in the application.
 - b. The permittee shall receive an Operation Permit Validation Letter from the Chief of the Air Compliance Section and attach it to this document.
 - c. Each facility shall certify separately at start-up of operations.

The first-time operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-1.1-7.

The permittee shall apply for an operation permit renewal at least ninety (90) days prior to the renewal date established in the validation letter.

7. That when the facility is constructed and placed into operation the following operation conditions shall be met:

**Chrysler LLC - Kokomo Casting Plant
Proposed Permit Conditions
Reverberatory Furnaces Installation**

Suggested Operation Conditions

1. That the data and information supplied in the application shall be considered part of this permit. Prior to any change in the operation which may result in an increase in potential emissions exceeding those specified in *326 IAC 2-5.5-6*, this change must be approved by the OAM.
2. That the permittee shall comply with the provisions of the Indiana Environmental Management Law (IC 13-7), Air Pollution Control Law (IC 13-1-1) and the rules promulgated thereunder.
3. PM10 emissions shall be limited to 0.4 lb PM10/ton of melting or remelting, with a combined annual throughput of 65,000 tons of material.
4. That the equipment shall be operated and maintained in consultation with the manufacturer's specifications.
5. That records necessary to document annual emissions shall be maintained. These records shall be kept for at least 60 months and made available upon request to the OAM.

CHRYSLER LLC -
KOKOMO CASTING PLANT

Table 6 - Summary of Potential Emissions

UNCONTROLLED POTENTIAL EMISSIONS

Emissions Sources	POLLUTANTS - Tons per Year (TPY)							
	Criteria Pollutants							Total HAPs
	NOx	CO	VOC	PM	PM-10	SOx	Lead	
SM1/SM2	9.57	8.04	0.53	14.12	14.12	0.06	0.12	0.18
Total Emissions	9.6	8.0	0.5	14.1	14.1	0.1	0.12	0.18
PSD Significance Threshold	40	100	40	25	15	40	0.6	n/ap
Exemption Threshold	< 10	< 25	< 10	< 5	< 5	< 10	< 0.2	< 1 indiv < 2.5 combined
Registration Threshold	< 25	< 100	< 25	< 25	< 25	< 25	< 5	

PROPOSED ALLOWABLE EMISSIONS

Emissions Sources	POLLUTANTS - Tons per Year (TPY)							
	Criteria Pollutants							Total HAPs
	NOx	CO	VOC	PM	PM-10	SOx	Lead	None
SM1/SM2	9.57	8.04	0.53	14.42	14.42	0.06	0.12	0.18
Total Emissions	9.6	8.0	0.5	14.4	14.4	0.1	0.1	0.18