INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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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: October 11, 2007

RE: NC-M Chassis Systems, LLC / 065-25338-00001

FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

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 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires 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 from 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-AM.dot 03/23/06

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Mr. Kelly Cartwright
NC-M Chassis Systems, LLC
1817 "I" Avenue
Newcastle, IN 47362

October 11, 2007

Re: 065-25338-00001
Notice-only change to
MSOP 065-20314-00001

Dear Mr. Cartwright:

NC-M Chassis Systems, LLC, was issued Minor Source Operating Permit (MSOP) No. 065-20314-00001 on June 1, 2005, for a stationary automotive parts manufacturing source, located at 1817 "I" Avenue, Newcastle IN 47362. On September 25, 2007, a letter was received from the source notifying the OAQ of a notice-only change to the permit. The source plans to add forty one (41) wet type machining operations, identified as N-16. Pursuant to 326 IAC 2-6.1-6(d)(13) the addition of wet type machining operations are considered a notice-only change, since they each are similar type of unit that is already permitted and that will comply with the same applicable requirements and permit terms and conditions as the existing emission units. The addition of forty one (41) wet type machining operations will not cause the source's potential to emit to be greater than the threshold levels specified in 326 IAC 2-2 or 326 IAC 2-3. Addition of the forty one (41) new wet type machining operations will increase the potential to emit PM and PM_{10} by 5.56 tons per year each, resulting in a source-wide potential to emit PM of 18.86 tons per year and PM10 of 23.36 tons per year.

Pursuant to the provision of 326 IAC 2-6.1-6, the permit is hereby revised as follows, with deleted language as ~~strikeouts~~ and new language **bolded**:

1. D.1.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the wet type machining operations, identified as N-16, shall not exceed ~~0.736~~ **3.85** pounds per hour when operating at a process weight rate of ~~0.077~~ **0.911** tons per hour. ....

2. The facility description in Section A.2 and Section D.1 have been revised as follows:

(c) Seventy seven (77) wet type machining operations, identified as N-16, installed in 2001, controlled by mist eliminators, **total** capacity: 153 pounds per hour of automotive parts.

.....

(i) Forty one (41) wet type machining operations, identified as N-16, approved for construction in 2007, controlled by mist eliminators, utilizing aqueous cutting coolant, total capacity: 1669 pounds per hour of automotive parts.

(j) One (1) hub line painting operation, approved for construction in 2007, for applying paint to automobile hubs, with a maximum throughput of 4292 parts per hour, and with particulate emissions controlled by corrugated filters, and exhausting back to the indoors.

3. IDEM has begun implementing a new procedure and will no longer list the name or title of the Authorized Individual (A.I.) in the permit. Section A.1 is updated as follows:

   ~~Authorized Individual:~~ ~~Plant Manager~~
   ...

4. All occurrences of IDEM mailing addresses have been updated in the permit. Any occurrences of the zip code 46204 have been revised to 46204 **- 2251**, and all addresses have been revised to include a mail code (MC) as follows:

Asbestos Section:	**MC 61-52 IGCN 1003**
Compliance Branch:	**MC 61-53 IGCN 1003**
Permits Branch:	**MC 61-53 IGCN 1003**
Technical Support and Modeling Section:	**MC 61-50 IGCN 1003**

All other conditions of the permit shall remain unchanged and in effect. Please find the enclosed copy of the revised entire permit for NC-M Chassis Systems.

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 Swarna Prabha, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, at 317-234-5376 or at 1-800-451-6027 (ext 45376).

Sincerely/Original Signed By:

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

sp

Attachment: Revised permit & Emission calculations

cc: File - Henry County
U.S. EPA, Region V
Henry County Health Department
Air Compliance Section Inspector - Larry Howard
Compliance Data Section
Administrative and Development

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MINOR SOURCE OPERATING PERMIT
OFFICE OF AIR QUALITY

NC-M Chassis Systems, LLC
1817 I Avenue
New Castle, Indiana 47362

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

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 065-20314-00001	
Original signed by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 1, 2005 Expiration Date: June 1, 2010

First Notice Only Change: 065-25338-00001	Pages Affected: Entire Permit
Issued by/Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: October 11, 2007 Expiration Date: June 1, 2010

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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 and A.2 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 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary automotive parts manufacturing source.

Source Address:	1817 “I” Avenue, New Castle, Indiana 47362
Mailing Address:	1817 “I” Avenue, New Castle, Indiana 47362
General Source Phone:	(765) 521-1655
SIC Code:	3714
County Location:	Henry
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Minor Source, under PSD

A.2 Emissions Units and Pollution Control Equipment Summary

This stationary source is approved to operate the following emissions units and pollution control devices:

(a) Two (2) natural gas fired boilers, identified as B-1 and B-3, installed in 1999, exhausting to Stack B1, capacity: 36 million British thermal units per hour, each.

(b) One (1) lime silo, identified as N-46, associated with the onsite WWTP, installed before 1980, capacity: 49.3 pounds of lime per hour.

(c) Seventy seven (77) wet type machining operations, identified as N-16, installed in 2001, controlled by mist eliminators, total capacity: 153 pounds per hour of automotive parts.

(d) One (1) parts marking, identified as N-30, installed before 1980, capacity: 0.044 pounds per hour of paint delivered through a marker.

(e) Two (2) natural gas fired space heaters, identified as N-27cc and N-27dd, installed before 1980, capacity: 1.90 million British thermal units per hour, each.

(f) Two (2) natural gas fired space heaters, identified as N-27ee and N-27ff, installed before 1980, capacity: 0.90 million British thermal units, each.

(g) Twelve (12) natural gas fired air make-up units, identified as AM1-AM12, installed before 1980, capacity: 8.15 million British thermal units, total.

(h) One (1) natural gas fired air make-up unit, identified as AM13, installed before 1980, capacity: 4.0 million British thermal units.

(i) Forty one (41) wet type machining operations, identified as N-16, approved for construction in 2007, controlled by mist eliminators, utilizing aqueous cutting coolant, total capacity: 1669 pounds per hour of automotive parts.

(j) One (1) hub line painting operation, approved for construction in 2007, for applying paint to automobile hubs, with a maximum throughput of 4292 parts per hour, and with particulate emissions controlled by corrugated filters, and exhausting back to the indoors.

SECTION B GENERAL CONDITIONS

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1.1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

B.1 Permit No Defense [IC 13]

This permit to operate 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.

B.2 Definitions

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 2-1.1-1 shall prevail.

B.3 Effective Date of the Permit [IC 13-15-5-3]

Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.

B.4 Permit Term and Renewal [326 IAC 2-6.1-7(a)] [326 IAC 2-1.1-9.5]

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

The Permittee shall apply for an operation permit renewal at least ninety (90) days prior to the expiration date. If a timely and sufficient permit application for a renewal has been made, this permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

B.5 Modification to Permit [326 IAC 2]

All requirements and conditions of this operating permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

B.6 Annual Notification [326 IAC 2-6.1-5(a)(5)]

(a) Annual notification shall be submitted to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.

(b) Noncompliance with any condition must be specifically identified. If there are any permit conditions or requirements for which the source is not in compliance at any time during the year, the Permittee must provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be, achieved. The notification must be signed by an authorized individual.

(c) The annual notice shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in the format attached no later than March 1 of each year to:

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

(d) The notification 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.

B.7 Preventive Maintenance Plan [326 IAC 1-6-3]

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

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

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

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

(b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.

(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 or potential to emit. The PMP does not require the certification by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(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.8 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

(a) Permit revisions are governed by the requirements of 326 IAC 2-6.1-6.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application shall be certified by an “authorized individual” as defined by 326 IAC 2-1.1-1.

(c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

(d) No permit amendment or modification is required for the addition, operation or removal of a non-road engine, as defined in 40 CFR 89.2.

B.9 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [IC 13-14-2-2] [IC 13-17-3-2] [IC 13-30-3-1]

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 permitted 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, at reasonable times, any records that must be kept under this title or the conditions of this permit or any operating permit revisions;

(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, at reasonable times, any processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;

(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, at reasonable times, 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.10 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]

Pursuant to [326 IAC 2-6.1-6(d)(3)]:

(a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch, within thirty (30) days of the change.

(b) The written notification shall be sufficient to transfer the permit to the new owner by an notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).

(c) IDEM, OAQ, shall issue a revised permit.

The notification which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

B.11 Annual Fee Payment [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.

(b) 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.12 Credible Evidence [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

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than one hundred (100) pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

(a) Violation of any conditions of this permit.

(b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.

(c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.

(d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.

(e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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).

C.5 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or

not asbestos is present.

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
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 by an “authorized individual” as defined by 326 IAC 2-7-1(34).

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

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

Testing Requirements

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

(a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date.

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14 days) prior to the actual date.

(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 the 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.7 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

C.8 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60, Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

Record Keeping and Reporting Requirements

C.9 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

(a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.

(b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.

(c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).

(d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.10 General Record Keeping Requirements [326 IAC 2-6.1-5]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner 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, all record keeping requirements not already legally required shall be implemented when operation begins.

C.11 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

(a) Reports required by conditions in Section D of this permit shall be submitted to:

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

(b) 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.

(c) Unless otherwise specified in this permit, any quarterly report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The report does not require the certification by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(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.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Entire Source

(a) Two (2) natural gas fired boilers, identified as B-1 and B-3, installed in 1999, exhausting to Stack B1, capacity: 36 million British thermal units per hour, each.

(c) Seventy seven (77) wet type machining operations, identified as N-16, installed in 2001, controlled by mist eliminators, total capacity: 153 pounds per hour of automotive parts.

(i) Forty one (41) wet type machining operations, identified as N-16, approved for construction in 2007, controlled by mist eliminators, utilizing aqueous cutting coolant, total capacity: 1669 pounds per hour of automotive parts.

(j) One (1) hub line painting operation, approved for construction in 2007, for applying paint to automobile hubs, with a maximum throughput of 4292 parts per hour, and with particulate emissions controlled by corrugated filters, and exhausting back to the indoors.

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

Emission Limitations and Standards

D.1.1 Particulate [326 IAC 6-2-4(a)]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the two (2) 36 million British thermal units per hour natural gas fired boilers (B-1 and B-3) shall be limited to 0.359 pounds per million British thermal units heat input. The emission limitations are based on the following equation given in 326 IAC 6-2-4:

$$Pt = 1.09/Q^{0.26}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

D.1.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the wet type machining operations, identified as N-16, shall not exceed 3.85 pounds per hour when operating at a process weight rate of 0.911 tons per hour. The pound per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

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.1.4 Natural Gas

In order to demonstrate compliance with Condition D.1.1, the two (2) boilers, identified as B-1 and B-3, shall burn only natural gas.

D.1.5 Particulate Control

In order to comply with Condition D.1.2, the mist eliminators, used for particulate control, shall be in operation and control emissions from the wet type machining operations, identified as N-16, at all times that the wet type machining operations are in operation.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

There are no compliance monitoring requirements applicable to this source.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.6 Record Keeping Requirements [326 IAC 12], [40 CFR 60.40 Subpart (Dc)]

(a) The two (2) boilers, B-1 and B-3, are subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60.40 Subpart (Dc)).

(1) Pursuant to 40 CFR 60.48c (g), the Permittee of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day.

(2) Pursuant to 40 CFR 60.48c (i), all records required under this section shall be maintained by the Permittee of the affected facilities for a period of two (2) years following the date of such record.

(b) To document compliance with Condition D.1.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH

MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Company Name:	**NC-M Chassis Systems, LLC**
Address:	**1817 I Avenue**
City:	**New Castle**
Phone #:	**(765)-521-1655**
MSOP #:	**065-20314-0001**

I hereby certify that NC-M Chassis Systems, LLC is
☐ still in operation.
☐ no longer in operation.

I hereby certify that NC-M Chassis Systems, LLC is
☐ in compliance with the requirements of MSOP **065-20314-0001**.
☐ not in compliance with the requirements of MSOP **065-20314-0001**.

Authorized Individual (typed):
Title:
Signature:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FAX NUMBER - 317 233-5967

This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?_____, 25 TONS/YEAR SULFUR DIOXIDE ?_____, 25 TONS/YEAR NITROGEN OXIDES?_____, 25 TONS/YEAR VOC ?_____, 25 TONS/YEAR HYDROGEN SULFIDE ?_____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?_____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?_____, 25 TONS/YEAR FLUORIDES ?_____, 100TONS/YEAR CARBON MONOXIDE ?_____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?_____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?_____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?_____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?_____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _____ OR, PERMIT CONDITION # _____ AND/OR PERMI LIMIT OF _____

THIS INCIDENT MEETS THE DEFINITION OF ○MALFUNCTION○ AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY:_____PHONE NO. ( )_____
LOCATION: (CITY AND COUNTY)_____
PERMIT NO. _____ AFS PLANT ID: _____ AFS POINT ID: _____ INSP:_____
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON:_____
_____

DATE/TIME MALFUNCTION STARTED: _____/_____/ 20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE_____/_____/ 20____ _____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER:_____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

_____

MEASURES TAKEN TO MINIMIZE EMISSIONS:_____

_____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES:_____
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS:_____
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT:_____
INTERIM CONTROL MEASURES: (IF APPLICABLE)_____
_____
_____

MALFUNCTION REPORTED BY:_____TITLE:_____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY:_____DATE:_____TIME:_____
*SEE PAGE 2

Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

_____

_____

HAP Calculations
Parts Marking, Lime Silo and Wet Type Machining Operations
Company Name: NC-M Chassis Systems, LLC
Address City IN Zip: 1817 I Avenue, New Castle, Indiana 47362
Permit Number: MSOP 065-20314
Plt ID: 065-00001
Reviewer: Brian J. Pedersen
Application Date: October 26, 2004

Reporting Year 2003

Source ID	Chemical	TDS No.	Part Quantity	UOM	Conv. Factor	Sp. Gr.	Actual Mean %	Potential Mean %	HAP Emission Factor %	Production Ratio	Original LBS Chemical Weight	Actual LBS Chemical Weight Emitted	Potential LBS Chemical Weight Emitted	Potential Haps (tons/year)	Total Haps (tons/year)	Worst Case Hap (tons/year)
N-30	METHYL ISOBUTYL KETONE	170879	3	GAL	0	0.95	22.5	75.00	100	1.07	5	5.3	19.1	0.010		
N-30	XYLENE (MIXED ISOMERS)	84064	2,346	EA	0.035	0.89	75	75.00	100	1.07	62	61.6	66.1	0.033		
N-30	XYLENE (MIXED ISOMERS)	70275	12	EA	0.035	0.89	70	75.00	100	1.07	0	0.3	0.34	0.000		
N-30	XYLENE (MIXED ISOMERS)	93494	48	EACH	0.035	0.89	75	75.00	100	1.07	1	1.3	1.35	0.001		
N-30	XYLENE (MIXED ISOMERS)	97591	12	EA	0.035	0.89	75	75.00	100	1.07	0	0.3	0.34	0.000		
N-30	XYLENE (MIXED ISOMERS)	75706	72	EACH	0.035	0.89	75	75.00	100	1.07	2	1.9	2.03	0.001		
N-30	XYLENE (MIXED ISOMERS)	97592	12	EA	0.035	0.89	75	75.00	100	1.07	0	0.3	0.34	0.000		
N-30	XYLENE (MIXED ISOMERS)	97593	12	EA	0.035	0.89	75	75.00	100	1.07	0	0.3	0.34	0.000		
N-30	XYLENE (MIXED ISOMERS)	93495	48	EACH	0.035	0.89	75	75.00	100	1.07	1	1.3	1.35	0.001		
N-30	XYLENE (MIXED ISOMERS)	72135	655	EACH	0.035	0.91	75	75.00	100	1.07	17	17.2	18.5	0.009		
N-30	XYLENE (MIXED ISOMERS)	79619	1,193	EACH	0.035	0.89	75	75.00	100	1.07	31	31.3	33.6	0.017		
N-30	XYLENE (MIXED ISOMERS)	71229	581	EACH	0.035	0.89	75	75.00	100	1.07	15	15.3	16.4	0.008		
N-30	XYLENE (MIXED ISOMERS)	73015	1,037	EA	0.035	0.89	75	75.00	100	1.07	27	27.2	29.2	0.015		
N-30	XYLENE (MIXED ISOMERS)	69726	387	EA	0.035	0.89	75	75.00	100	1.07	10	10.2	10.9	0.005		
N-30	XYLENE (MIXED ISOMERS)	72342	1,273	EACH	0.035	0.91	80	75.00	100	1.07	36	35.6	35.9	0.018		
												209	**236**	**0.118**		
N-16	FORMALDEHYDE	192606	0	GAL	0	61	0	0.0012	100	1.07	0	0.00	0.00	0.000		
N-16	FORMALDEHYDE	176647	11,550	GAL	0	0.93	0.0012	0.0012	100	1.07	1	1.08	1.15	0.001		
												1.08	**1.15**	**0.001**		
N-46	FORMALDEHYDE	130446	6	EACH	2.5	0	0.05	0.05	100	1.07	0	0.01	0.01	0.000		
N-46	METHANOL	130446	6	EACH	2.5	0	0.02	0.05	100	1.07	0	0.00	0.01	0.000		
N-46	HYDROCHLORIC ACID	153436	30,940	LB	0	1.28	2	2.00	100	1.07	619	619	664	0.332		
N-46	ACRYLIC ACID	140299	10,378	POUND	0	1.081	0.0014	2.00	100	1.07	0	0.145	223	0.111		
N-46	METHANOL	182367	1,058	LB	0	1.109	0.0059	2.00	100	1.07	0	0.062	22.7	0.011		
N-46	COBALT COMPOUNDS	136631	6,570	POUND	0	1.25	1	2.00	100	1.07	66	65.7	141	0.071		
												685	**1,051**	**0.525**	**0.644**	**0.332**

HAP PTE = (Part Quantity) * (Conversion Factor) * (Potential Mean %) * (Production Ratio)

The potential mean % is based upon the largest HAP content for any material within an individual source group. Also, for liquids, the UOM is converted utilizing the appropriate specific gravity value and conversion factors.

The production ratio is based upon the maximum hours of operation in a given year (8,760) versus the actual hours of operation in 2003 (8,160 hours)

Company Name: NC-M Chassis Systems, LLC
Address City IN Zip: 1817 "I" Avenue, New Castle, Indiana 47362
Minor Source Operating Permit No.: M065-20314-00001
Notice Only Change: M065-25338-00001
Reviewer: Swarna Prabha

41 Wet Machine PM Emissions based on Exhaust Grain Loading

Pollutant	*Inlet Grain Loading gr/dscf	Outlet Grain Loading (grains/dscf)	Exhaust Flow Rate (acfm)	Uncontrolled PTE of PM/PM10 per wet machine (lbs/hr)	***Total Uncontrolled PTE PM/PM10 of (lbs/hr)	Total Uncontrolled PTE of PM/PM10 (tons/yr)	Control Efficiency	Total Controlled PTE of PM/PM10 (lbs/hr)	Total Controlled PTE of PM/PM10 (tons/yr)
PM/PM10	0.009	0.0018	500	0.039	1.58	6.93	80.0%	0.32	1.39
				Totals	**1.58**	**6.93**		**0.32**	**1.39**

*The maximum average exhaust grain loading from the wet machinining operations is estimated to be approximately 0.0018 gr/dscf, which is well below the regulatory threshold. The maximum average exhaust grain loading is based upon May 2002 stack testing performed by DaimlerChrysler Corporation (owner and operate of the NC-M facility at the time) at another facility. The maximum single one-hour test value was 0.0014 gr/dscf and the average test result was 0.007 gr/dscf. The value of 0.0014 was increased by approximately 25% to 0.0018 to provided a conservative estimate of outlet concentration. The corresponding inlet concentration of 0.009 gr/dscf was back calculated based upon an estimated control efficiency of 80%
*** Total PM/PM10 Emissions calculated for 41 wet machines

Methodology

Controlled PTE of PM/PM10 (lbs/hr) = Outlet grain Loading (grains/cf) * Exhaust Flow Rate (acfm) * 1 lb/7,000 grains * 60 min/hr

Uncontrolled PTE of PM/PM10 (lbs/hr) = Controlled PTE of PM/PM10 (lbs/hr) / (1 - Control Efficiency)

Uncontrolled PTE of PM/PM10 (tons/yr) = Uncontrolled PTE of PM/PM10 (lbs/hr) * 8760 hr/yr * 1 ton/2,000 lbs

VOC from Hub Painting:

Paint Usage= (130 mm^3/part) * (4292 parts/hr) * (8760 hrs/yr) / (3785,000 mm^3/ gal)
= 53.8 gal / yr
**PTE of VOC = 53.8 gal/yr * (0.03 lbs voc/gal)
= 1.6 lbs/yr
= .0008 tons/yr

** VOC emissions have been conservatively estimated as the amount of water has not been subtracted from the proposed coating usage