



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: September 23, 2010

RE: Remy International / 095 - 29283 - 00073

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

Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures
FNPER.dot12/03/07



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Minor Source Operating Permit Renewal OFFICE OF AIR QUALITY

**Remy International, Inc.
6512/6628 Production Road
Anderson, Indiana 46013**

(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 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.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

Operation Permit No.: M095-29283-00073	
Issued by:  Alfred C. Dumauval, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: September 23, 2010 Expiration Date: September 23, 2020

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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 engine starter motor testing operation.

Source Address:	6512/6628 Production Road, Anderson, Indiana 46013
General Source Phone Number:	(765) 778-6499
SIC Code:	8734
County Location:	Madison
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) Live gasoline engine test stands, testing a maximum of six (6) gasoline-fired engines simultaneously, all constructed on June 1, 1995, with a total maximum heat input capacity of 0.22 MMBtu/hr and consuming a total maximum of 1.72 gallons of gasoline per hour, with emissions uncontrolled, and exhausting to two (2) stacks.
- (b) Live diesel engine test stands, testing a maximum of twenty (20) diesel-fired engines simultaneously, all constructed on June 1, 1995, with a total maximum heat input capacity of 0.8 MMBtu/hr and consuming a total maximum of 5.4 gallons of diesel per hour, with emissions uncontrolled, and exhausting to twenty (20) stacks.
- (c) Seven (7) natural gas-fired space heaters, all constructed on June 1, 1995, each with a maximum heat input capacity of 0.1 MMBtu/hr, with emissions uncontrolled, and exhausting to seven (7) stacks.
- (d) One (1) natural gas-fired air make-up unit, constructed on June 1, 2008, with a maximum heat input capacity of 1.25 MMBtu/hr, with emissions uncontrolled, and exhausting to one (1) stack.
- (e) Twenty (20) natural gas-fired rooftop space heaters, constructed on June 1, 1995, each with a maximum heat input capacity of 0.16 MMBtu/hr, with emissions uncontrolled, and exhausting to twenty (20) stacks.
- (f) One (1) natural gas-fired ceiling-mounted space heater, constructed on June 1, 1995, with a maximum heat input capacity of 0.36 MMBtu/hr, with emissions uncontrolled, and exhausting to one (1) stack.
- (g) One (1) gasoline storage tank, constructed on 1996, and with a capacity of 1000 gallons.
- (h) One (1) diesel storage tank, constructed on 1996, with a capacity of 1000 gallons.

(i) Activities related to routine fabrication, maintenance, and repair of buildings, structures, equipment, or vehicles at the source, including the following:

- (1) One (1) arc welder.
- (2) One (1) hand sand blaster, using a dust collector with a bag filter as particulate control, and exhausting indoors.
- (3) One (1) battery charging station, exhausting outdoors.
- (4) One (1) Safety Kleen serviced parts washer, installed in 2005.
- (5) Maintenance machining equipment.

Potential air emissions from these facilities are not associated with any commercial production processes.

(j) Sampling and testing equipment and activities, including the following:

- (1) Three (3) Dust test boxes, using filters as particulate control, and exhausting indoors.
- (2) One (1) salt fog mist chamber, exhausting outdoors.
- (3) One (1) corrosive splash chamber, exhausting outdoors.
- (4) Two (2) oil-cooked generator testers, one exhausting outdoors and one exhausting indoors.
- (5) One (1) cold room, exhausting outdoors.
- (6) One (1) humidity test chamber.
- (7) Durability testing equipment.
- (8) One (1) natural draft cooling tower, constructed on June 1, 1995, with a circulating water flow rate of 300 gallons per minute.
- (9) Varnish application operations, using dip coating, constructed on June 1, 1995, with a maximum capacity of 90 gallons per year of varnish and 265 gallons per year of denatured alcohol, with emissions uncontrolled, and exhausting to one (1) stack.

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

-
- (a) This permit, M095-29283-00073, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability

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

B.5 Severability

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

B.6 Property Rights or Exclusive Privilege

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

B.7 Duty to Provide Information

-
- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) An annual notification shall be submitted by an authorized individual 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) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) 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.9 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.The Permittee shall implement the PMPs.
- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (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.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to M095-29283-00073 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.12 Permit Renewal [326 IAC 2-6.1-7]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
 - (1) Submitted at least one hundred twenty (120) days prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the

document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

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

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

- (c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.14 Source Modification Requirement

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

B.15 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 the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, 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.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.17 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ,.
- (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.18 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

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1][IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2][326 IAC 9-1-2]

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

C.6 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.7 Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 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.

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

- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-6.1-5(a)(2)]

C.8 Performance Testing [326 IAC 3-6]

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

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

no later than thirty-five (35) days prior to the intended test date.
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test 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 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.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U.S. EPA.

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

C.10 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.11 Instrument Specifications [326 IAC 2-1.1-11]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps

C.12 Response to Excursions or Exceedances

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline

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

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

C.14 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.15 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, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.16 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 and Enforcement Branch, 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) 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

OPERATION CONDITIONS

Emissions Unit Description:

- (a) Live gasoline engine test stands, testing a maximum of six (6) gasoline-fired engines simultaneously, all constructed on June 1, 1995, with a total maximum heat input capacity of 0.22 MMBtu/hr and consuming a total maximum of 1.72 gallons of gasoline per hour, with emissions uncontrolled, and exhausting to two (2) stacks.

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

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.1.1 Carbon Monoxide Emission Factor

Any change or modification to the live gasoline engine test stands that would increase CO emissions to greater than 1.14 lbs of CO/gallon of gasoline shall require approval by IDEM, OAQ before such change takes place.

SECTION D.2

OPERATION CONDITIONS

Emissions Unit Description:

(i) Activities related to routine fabrication, maintenance, and repair of buildings, structures, equipment, or vehicles at the source, including the following:

(4) One (1) Safety Kleen serviced parts washer, installed in 2005.

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

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operation), the owner or operator of a cold cleaning facility (the degreasing operations that do not exceed 145 gallons per 12 months) shall:

- (a) equip the cleaner with a cover;
- (b) equip the cleaner with a facility for draining cleaned parts;
- (c) close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) provide a permanent, conspicuous label summarizing the operation requirements;
- (f) store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

Pursuant to 326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control), the Permittee shall comply with the following requirements:

- (a) The owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) the solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) the solvent is agitated; or
 - (C) the solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)),

then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system

- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) The owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT 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:	Remy International, Inc.
Address:	6512/6628 Production Road
City:	Anderson, Indiana 46013
Phone #:	(765) 778-6499
MSOP #:	M095-29283-00073

I hereby certify that Remy International, Inc. is :

still in operation.

no longer in operation.

I hereby certify that Remy International, Inc. is :

in compliance with the requirements of MSOP M095-29283-00073.

not in compliance with the requirements of MSOP M095-29283-00073.

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
COMPLIANCE AND ENFORCEMENT BRANCH
FAX NUMBER: (317) 233-6865

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 ?_____, 100 TONS/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 PERMIT 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:

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a
Minor Source Operating Permit (MSOP) Renewal

Source Background and Description

Source Name:	Remy International, Inc.
Source Location:	6512/6628 Production Road, Anderson, IN 46013
County:	Madison
SIC Code:	8734
Permit Renewal No.:	M095-29283-00073
Permit Reviewer:	Meredith W. Jones

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Remy International, Inc. relating to the operation of an existing stationary engine starter motor testing operation.

History

On May 21, 2010, Remy International, Inc. submitted an application to the OAQ requesting to renew its operating permit. Remy International, Inc. was issued MSOP Renewal No. M095-20443-00073 on September 13, 2005.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following existing emission units:

- (a) Live gasoline engine test stands, testing a maximum of six (6) gasoline-fired engines simultaneously, all constructed on June 1, 1995, with a total maximum heat input capacity of 0.22 MMBtu/hr and consuming a total maximum of 1.72 gallons of gasoline per hour, with emissions uncontrolled, and exhausting to two (2) stacks.
- (b) Live diesel engine test stands, testing a maximum of twenty (20) diesel-fired engines simultaneously, all constructed on June 1, 1995, with a total maximum heat input capacity of 0.8 MMBtu/hr and consuming a total maximum of 5.4 gallons of diesel per hour, with emissions uncontrolled, and exhausting to twenty (20) stacks.
- (c) Five (5) natural gas-fired space heaters, all constructed on June 1, 1995, each with a maximum heat input capacity of 0.1 MMBtu/hr, with emissions uncontrolled, and exhausting to five (5) stacks.
- (d) One (1) gasoline storage tank, constructed on 1996, and with a capacity of 1000 gallons.
- (e) One (1) diesel storage tank, constructed on 1996, with a capacity of 1000 gallons.
- (f) Activities related to routine fabrication, maintenance, and repair of buildings, structures, equipment, or vehicles at the source, including the following:
 - (1) One (1) arc welder.
 - (2) One (1) hand sand blaster, using a dust collector with a bag filter as particulate control, and exhausting indoors.
 - (3) One (1) battery charging station, exhausting outdoors.

Potential air emissions from these facilities are not associated with any commercial production processes.

- (g) Sampling and testing equipment and activities, including the following:
- (1) Two (2) Dust test boxes, using filters as particulate control, and exhausting indoors.
 - (2) One (1) salt fog mist chamber, exhausting outdoors.
 - (3) One (1) corrosive splash chamber, exhausting outdoors.
 - (4) Two (2) oil-cooked generator testers, one exhausting outdoors and one exhausting indoors.
 - (5) One (1) cold room, exhausting outdoors.

The following is a list of the new emission units and pollution control devices:

- (a) Two (2) natural gas-fired space heaters, both constructed on June 1, 1995, each with a maximum heat input capacity of 0.1 MMBtu/hr, with emissions uncontrolled, and exhausting to two (2) stacks.
- (b) One (1) natural gas-fired air make-up unit, constructed on June 1, 2008, with a maximum heat input capacity of 1.25 MMBtu/hr, with emissions uncontrolled, and exhausting to one (1) stack.
- (c) Twenty (20) natural gas-fired rooftop space heaters, constructed on June 1, 1995, each with a maximum heat input capacity of 0.16 MMBtu/hr, with emissions uncontrolled, and exhausting to twenty (20) stacks.
- (d) One (1) natural gas-fired ceiling-mounted space heater, constructed on June 1, 1995, with a maximum heat input capacity of 0.36 MMBtu/hr, with emissions uncontrolled, and exhausting to one (1) stack.
- (e) Activities related to routine fabrication, maintenance, and repair of buildings, structures, equipment, or vehicles at the source, including the following:
 - (1) One (1) Safety Kleen serviced parts washer, installed in 2005.
 - (2) Maintenance machining equipment.

Potential air emissions from these facilities are not associated with any commercial production processes.

- (f) Sampling and testing equipment and activities, including the following:
- (1) One (1) Dust test box, using filters as particulate control, and exhausting indoors.
 - (2) One (1) humidity test chamber.
 - (3) Durability testing equipment.
 - (4) Varnish application operations, using dip coating, constructed on June 1, 1995, with a maximum capacity of 90 gallons per year of varnish and 265 gallons per year of denatured alcohol, with emissions uncontrolled, and exhausting to one (1) stack.

Emission Units and Pollution Control Equipment Constructed and Operated without a Permit

The source also consists of the following emission unit that was constructed and is operating without a permit:

- (a) Sampling and testing equipment and activities, including the following:
 - (1) One (1) natural draft cooling tower, constructed on June 1, 1995, with a circulating water flow rate of 300 gallons per minute.

Emission Units and Pollution Control Equipment Removed From the Source

- (a) Live gasoline engine test stands, testing a maximum of twenty-four (24) gasoline-fired engines simultaneously, all constructed on June 1, 1995, with a total maximum heat input capacity of 0.88 MMBtu/hr and consuming a total maximum of 6.88 gallons of gasoline per hour, with emissions uncontrolled, and exhausting to two (2) stacks.

Existing Approvals

The source has been operating under MSOP Renewal No. M095-20443-00073, issued on September 13, 2005.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

The following terms and conditions from previous approvals have been revised in this MSOP Renewal:

- (a) IDEM, OAQ has decided to remove all references to the source mailing address. IDEM, OAQ will continue to maintain records of the mailing address.
- (b) For clarity, IDEM has changed references to the general conditions: "in accordance with Section B", "in accordance with Section C", or other similar language, to "Section C ... contains the Permittee's obligations with regard to the records required by this condition."
- (c) IDEM has decided that the phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore all timeline have been switched to "no later than" or "not later than."
- (d) IDEM has determined that rather than having a Certification condition and various references throughout the permit as to whether a particular report, notice, or correspondence needs to include a certification, the specific conditions that require an affirmation of truth and completeness shall state so. The certification condition has been removed. All statements to whether a certification, pursuant to the former Section B - Certification, is needed or not have been removed. Section B - Credible Evidence and Section C - Asbestos Abatement Projects still require certification as the underlying rules also require certifications.
- (e) IDEM has decided to clarify Section B - Preventive Maintenance Plan.
- (f) IDEM has decided to state which rule establishes the authority to set a deadline for the Permittee to submit additional information. Therefore, Section B - Permit Renewal has been revised.
- (g) IDEM has added 326 IAC 5-1-1 to the exception clause of Section C - Opacity, since 326 IAC 5-1-1 does list exceptions.
- (h) IDEM has revised Section C - Incineration to more closely reflect the two underlying rules.
- (i) IDEM has removed the first paragraph of Section C - Performance Testing as due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures.
- (j) IDEM has removed Section C - Monitoring Methods. The conditions that require the monitoring or testing, if required, state what methods shall be used.

- (k) IDEM has revised Section C - Response to Excursions or Exceedances. The introduction sentence has been added to clarify that it is only when an excursion or exceedance is detected that the requirements of this condition need to be followed. The word "excess" was added to the last sentence of paragraph (a) because the Permittee only has to minimize excess emissions. The middle of paragraph (b) has been deleted as it was duplicative of paragraph (a). The phrase "or are returning" was added to subparagraph (b)(2) as this is an acceptable response assuming the operation or emission unit does return to normal or its usual manner of operation. The phrase "within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable" was replaced with "normal or usual manner of operation" because the first phrase is just a limited list of the second phrase. The recordkeeping required by paragraph (e) was changed to require only records of the response because the previously listed items are required to be recorded elsewhere in the permit.
- (l) IDEM has revised Section C - Actions Related to Noncompliance Demonstrated by a Stack Test. The requirements to take response steps and minimize excess emissions have been removed because Section C - Response to Excursions or Exceedances already requires response steps related to exceedances and excess emissions minimization. The start of the timelines was switched from "the receipt of the test results" to "the date of the test." There was confusion if the "receipt" was by IDEM, the Permittee, or someone else. Since the start of the timelines has been moved up, the length of the timelines was increased. The new timelines require action within a comparable timeline; and the new timelines still ensure that the Permittee will return to compliance within a reasonable timeframe.
- (m) Paragraph (b) of Section C - Emission Statement has been removed. It was duplicative of the requirement in Section C - General Reporting Requirements.
- (n) The voice of paragraph (b) of Section C - General Record Keeping Requirements has been change to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.

Enforcement Issue

IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit. The subject equipment is listed in this Technical Support Document under the condition entitled "Emission Units and Pollution Control Equipment Constructed and Operated without a Permit."

IDEM is reviewing this matter and will take appropriate action. This proposed permit is intended to satisfy the requirements of the construction permit rules.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Madison County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective October 19, 2007, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM _{2.5} .	

- (a) *Ozone Standards*
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) 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. Madison 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) *PM_{2.5}*
Madison County has been classified as attainment or unclassifiable for PM_{2.5}. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions. These rules became effective on July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions until 326 IAC 2-2 is revised.
- (c) *Other Criteria Pollutants*
Madison County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) *Fugitive Emissions*
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is not an applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.

Unrestricted Potential Emissions

Appendix A of this TSD reflects the unrestricted potential emissions of the source.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all criteria pollutants is less than twenty-five (25) tons per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.
- (c) The potential to emit of all regulated pollutants are below MSOP thresholds. However, to provide for operational flexibility, the Permittee has elected to renew its MSOP.

Federal Rule Applicability

New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 (40 CFR 60, Subpart K) (326 IAC 12) are not included in the permit for the one (1) gasoline storage tank and the one (1) diesel storage tank because construction of these units commenced after May 19, 1978.

- (b) The requirements of the New Source Performance Standard for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 (40 CFR 60, Subpart Ka) (326 IAC 12) are not included in the permit for the one (1) gasoline storage tank and the one (1) diesel storage tank because construction of these units commenced after July 23, 1984.
- (c) The requirements of the New Source Performance Standard for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (40 CFR 60, Subpart Kb) (326 IAC 12) are not included in the permit for the one (1) gasoline storage tank and the one (1) diesel storage tank because neither storage vessel has a capacity greater than or equal to 75 cubic meters (m^3) (19,812.75 gallons).
- (d) The requirements of the New Source Performance Standard for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60, Subpart IIII) (326 IAC 12) are not included in the permit for the six (6) gasoline-fired engines or the (20) diesel-fired engines because the provisions of this subpart are not applicable to stationary CI ICE being tested at a stationary CI ICE test cell/stand.
- (e) The requirements of the New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines (40 CFR 60, Subpart JJJJ) (326 IAC 12) are not included in the permit for the six (6) gasoline-fired engines or the (20) diesel-fired engines because the provisions of this subpart are not applicable to stationary SI ICE being tested at an engine test cell/stand.
- (f) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (g) The requirements of the National Emission Standards for Halogenated Solvent Cleaning (40 CFR Part 63, Subpart T) (326 IAC 20-6) are not included in the permit for the one (1) Safety Kleen serviced parts washer because this solvent cleaning machine does not use any solvent containing methylene chloride (CAS No. 75-09-2), perchloroethylene (CAS No. 127-18-4), trichloroethylene (CAS No. 79-01-6), 1,1,1-trichloroethane (CAS No. 71-55-6), carbon tetrachloride (CAS No. 56-23-5) or chloroform (CAS No. 67-66-3), or any combination of these halogenated HAP solvents.
- (h) The requirements of the National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers (40 CFR Part 63, Subpart Q) (326 IAC 20-4) are not included in the permit for the one (1) natural draft cooling tower because this cooling tower is not operated with chromium-based water treatment chemicals and the source is not a major source of HAPs.
- (i) The requirements of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63, Subpart ZZZZ) (326 IAC 20-82) are not included in the permit for the six (6) gasoline-fired engines or the (20) diesel-fired engines because these stationary RICE are being tested at stationary RICE test cells/stands.
- (j) The requirements of the National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Stands (40 CFR Part 63, Subpart PPPPP) (326 IAC 20-75) are not included in the permit for the live gasoline engine test stands and the live diesel engine test stands because the source is not a major source of HAPs.
- (k) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit for this source.

Compliance Assurance Monitoring (CAM)

- (l) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit because the unlimited potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability - Entire Source

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-4.1.

326 IAC 2-6 (Emission Reporting)

Pursuant to 326 IAC 2-6-1, this source is not subject to this rule because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.

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%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

State Rule Applicability – Individual Facilities

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

The source is not subject to the requirements of 326 IAC 6-5 because the source does not have potential fugitive particulate emissions greater than 25 tons per year. Therefore, 326 IAC 6-5 does not apply.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

None of the emission units at this source are subject to the requirements of 326 IAC 8-1-6 because the unlimited potential VOC emissions from each emission unit are less than twenty-five (25) tons per year.

Gasoline Engine Test Stands

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

Pursuant to 326 IAC 6-3-1(b)(14), the gasoline engine test stands are not subject to the requirements of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) because potential particulate emissions from these facilities are less than five hundred fifty-one thousand (0.551) pound per hour.

Diesel Engine Test Stands

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

Pursuant to 326 IAC 6-3-1(b)(14), the diesel engine test stands are not subject to the requirements of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) because potential particulate emissions from these facilities are less than five hundred fifty-one thousand (0.551) pound per hour.

Natural Gas-Fired Heaters and Make-Up Unit

326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)

The natural gas-fired space heaters and natural gas-fired air make-up unit are not subject to the requirements of 326 IAC 6-2-4 (Particulate Limitations for Sources of Indirect Heating) because none of these units are sources of indirect heating.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The natural gas-fired space heaters and natural gas-fired air make-up unit do not have the potential to emit twenty-five (25) tons per year or ten (10) pounds per hour of sulfur dioxide. Therefore, 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations) does not apply.

Storage Tanks

326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)

The one (1) gasoline storage tank and the one (1) diesel storage tank are not subject to the requirements of 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities) because both of these storage tanks have a storage capacity less than 39,000 gallons.

Cooling Tower

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

The one (1) natural draft cooling tower is not subject to the requirements of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) because pursuant to 326 IAC 6-3-1(b)(11), noncontact cooling tower systems are exempt from the requirements of this rule.

Maintenance, Repair, Sampling, and Testing Activities

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

Pursuant to 326 IAC 6-3-1(b)(14), none of the maintenance, repair, sampling, and testing activities are subject to the requirements of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) because potential particulate emissions from each of these facilities are less than five hundred fifty-one thousand (0.551) pound per hour.

326 IAC 8-3-2 (Cold Cleaner Operation)

The one (1) Safety Kleen serviced parts washer is subject to the requirements of 326 IAC 8-3-2 because this is an organic solvent degreasing operations that was constructed after January 1, 1980. Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operation), the owner or operator of a cold cleaning facility shall:

- (a) equip the cleaner with a cover;
- (b) equip the cleaner with a facility for draining cleaned parts;
- (c) close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) provide a permanent, conspicuous label summarizing the operation requirements;

- (f) store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)

The one (1) Safety Kleen serviced parts washer is subject to the requirements of 326 IAC 8-3-5 because this is an organic solvent degreasing operations that was constructed after July 1, 1990. Pursuant to 326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control), the Permittee shall comply with the following requirements:

- (a) The owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) the solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) the solvent is agitated; or
 - (C) the solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) The owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

- (1) Close the cover whenever articles are not being handled in the degreaser.
- (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
- (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

326 IAC 12 (New Source Performance Standards)

See Federal Rule Applicability Section of this TSD.

326 IAC 20 (Hazardous Air Pollutants)

See Federal Rule Applicability Section of this TSD.

Compliance Determination and Monitoring Requirements

There are no compliance determination or compliance monitoring requirements applicable to this source.

Recommendation

The staff recommends to the Commissioner that the MSOP Renewal 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 May 21, 2010.

Conclusion

The operation of this stationary engine starter motor testing operation shall be subject to the conditions of the attached MSOP Renewal No. M095-29283-00073.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Meredith Jones at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5176 or toll free at 1-800-451-6027 extension 4-5176.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Company Name: Remy International, Inc,
Address: 6512 Production Rd, Anderson, IN 46013
MSOP No.: 095-29283-00073
Reviewer: Meredith W. Jones
Date: 6/8/10

****Potential to Emit Summary****

Criteria Pollutants: Uncontrolled and Unlimited (tons/yr)

	<i>PM</i>	<i>PM₁₀</i>	<i>PM_{2.5}</i>	<i>SO_x</i>	<i>NO_x</i>	<i>VOC</i>	<i>CO</i>
Gasoline Engine Test Stands: Gasoline Combustion	0.10	0.10	0.10	0.08	1.57	2.92	8.59
Diesel Engine Test Stands: Diesel Combustion	1.09	1.09	1.09	1.02	15.45	1.26	3.33
Natural Gas Combustion	0.05	0.18	0.18	0.01	2.41	0.13	2.03
Cooling Tower	5.76	5.76	5.76	-	-	-	-
Varnish Application	-	-	-	-	-	1.01	-
Maintenance, Repair, Sampling, and Testing Activities	<5	<5	<5	<5	<5	<5	<5
Total	<11.98	<12.12	<12.12	<6.11	<24.44	<10.32	<18.94

HAPs: Uncontrolled and Unlimited (tons/yr)

Benzene =	3.32E-03	tons/yr
Toluene =	1.52E-03	tons/yr
Xylene =	9.99E-04	tons/yr
1,3-Butadiene =	1.37E-04	tons/yr
Formaldehyde =	5.94E-03	tons/yr
Acetaldehyde =	2.69E-03	tons/yr
Acrolein =	3.24E-04	tons/yr
Total PAH HAPs =	5.89E-04	tons/yr
Dichlorobenzene =	2.90E-05	tons/yr
Hexane* =	0.04	tons/yr
Lead =	1.21E-05	tons/yr
Cadmium =	2.65E-05	tons/yr
Chromium =	3.38E-05	tons/yr
Manganese =	9.17E-06	tons/yr
Nickel =	5.07E-05	tons/yr
MIBK =	0.02	tons/yr
Methanol =	0.03	tons/yr
Total =	0.11	tons/yr

*Highest single HAP

Note: The Permittee has elected to remain an MSOP rather than transition to a lower permit level to allow for future operational flexibility.

Company Name: Remy International, Inc,
Address: 6512 Production Rd, Anderson, IN 46013
MSOP No.: 095-29283-00073
Reviewer: Meredith W. Jones
Date: 4/22/09

****Gasoline Engine Test Stands: Gasoline Combustion****

The gasoline test stands at the source have a total capacity of six (6) gasoline-fired engines, with a total maximum heat input capacity of 0.22 MMBtu/hr.

Heat Input Capacity (MMBtu/hr)	Maximum Hours Operated per Year	Potential Throughput (MMBtu/yr)	Maximum Fuel Consumption (gal/hr)
0.22	8760	1927	1.72

	Pollutant						
	PM*	PM ₁₀ *	PM _{2.5} *	SO ₂	NO _x	VOC	CO**
<i>Emission Factor (lb/MMBtu)</i>	0.10	0.10	0.10	0.084	1.63	3.03	-
<i>Emission Factor (lb/gal)</i>	-	-	-	-	-	-	1.14
Potential Emissions (tons/yr)	0.10	0.10	0.10	0.08	1.57	2.92	8.59

*PM and PM_{2.5} emission factors are assumed to be equivalent to PM₁₀ emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM₁₀ which is condensable.

**Site specific emission factor: approved by IDEM on April 21, 1999.

Methodology

Emission Factors are from AP 42 (Supplement B 10/96), Table 3.3-1; HAP information is not available for gasoline-fired engines.

Potential Throughput (MMBtu/yr) = Heat Input Capacity (MMBtu/hr) * Maximum Hours Operated per Year

Potential Emissions (tons/yr) = Potential Throughput (MMBtu/yr) * Emission Factor (lb/MMBtu) * (1 ton/2000 lbs)

Potential CO Emissions (tons/yr) = Maximum Fuel Consumption (gal/hr) * Emission Factor (lb/gal) * (8760 hrs/yr) * (1 ton/2000 lbs)

Company Name: Remy International, Inc,
Address: 6512 Production Rd, Anderson, IN 46013
MSOP No.: 095-29283-00073
Reviewer: Meredith W. Jones
Date: 4/22/09

****Diesel Engine Test Stands: Diesel Combustion (<=4.2 MMBtu/hr)****

The diesel test stands at the source have a total capacity of twenty (20) diesel-fired engines, with a total maximum heat input capacity of 0.8 MMBtu/hr.

Heat Input Capacity (MMBtu/hr)	Maximum Hours Operated per Year	Potential Throughput (MMBtu/yr)
0.80	8760	7008

	Pollutant						
	PM*	PM ₁₀ *	PM _{2.5} *	SO ₂	NO _x	VOC	CO
<i>Emission Factor (lb/MMBtu)</i>	0.31	0.31	0.31	0.29	4.41	0.36	0.95
Potential Emissions (tons/yr)	1.09	1.09	1.09	1.02	15.45	1.26	3.33

*PM and PM_{2.5} emission factors are assumed to be equivalent to PM₁₀ emission factors. No information was given regarding which method was used to determine the factor or the fraction of PM₁₀ which is condensable.

	HAPs							
	Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs**
<i>Emission Factor (lb/MMBtu)</i>	9.33E-04	4.09E-04	2.85E-04	3.91E-05	1.18E-03	7.67E-04	9.25E-05	1.68E-04
Potential Emissions (tons/yr)	3.27E-03	1.43E-03	9.99E-04	1.37E-04	4.13E-03	2.69E-03	3.24E-04	5.89E-04

**PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)

Total HAPs (tons/yr) = 1.36E-02

Methodology

Emission Factors are from AP 42 (Supplement B 10/96), Tables 3.3-1 and 3.3-2.

Potential Throughput (MMBtu/yr) = Heat Input Capacity (MMBtu/hr) * Maximum Hours Operated per Year

Criteria Pollutant Potential Emissions (tons/yr) = Potential Throughput (MMBtu/yr) * Emission Factor (lb/MMBtu) * (1 ton/2000 lbs)

HAP Potential Emissions (tons/yr) = Potential Throughput (MMBtu/yr) * Emission Factor (lb/MMBtu) * (1 ton/2000 lbs)

Company Name: Remy International, Inc,
Address: 6512 Production Rd, Anderson, IN 46013
MSOP No.: 095-29283-00073
Reviewer: Meredith W. Jones
Date: 4/22/09

****Natural Gas Combustion (MMBtu/Hr <100)****

The source contains:

Seven (7) space heaters, each with a heat input capacity of	0.1	MMBtu/hr.
One (1) air make-up unit, with a heat input capacity of	1.25	MMBtu/hr.
Twenty (20) rooftop space heaters, each with a heat input capacity of	0.16	MMBtu/hr.
One (1) ceiling-mounted space heater, with a heat input capacity of	0.36	MMBtu/hr.

Heat Input Capacity (MMBtu/hr) =

Potential Throughput (MMCF/yr) =

	Pollutant						
	PM*	PM ₁₀ *	PM _{2.5}	SO ₂	NO _x **	VOC	CO
<i>Emission Factor (lbs/10⁶ scf)</i>	1.9	7.6	7.6	0.6	100	5.5	84
Potential Emissions (tons/yr)	0.05	0.18	0.18	0.01	2.41	0.13	2.03

*PM emission factor is filterable PM only. PM₁₀ emission factor is filterable and condensable PM combined.

**Emission Factors for NO_x: Uncontrolled = 100; Low NO_x Burner = 50; Low NO_x Burners/Flue gas recirculation = 32

	HAPs: Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
<i>Emission Factor (lbs/10⁶ scf)</i>	2.1E-03	1.2E-03	7.5E-02	1.8	3.4E-03
Potential Emissions (tons/yr)	5.07E-05	2.90E-05	1.81E-03	0.04	8.21E-05

	HAPs: Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
<i>Emission Factor (lbs/10⁶ scf)</i>	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emissions (tons/yr)	1.21E-05	2.65E-05	3.38E-05	9.17E-06	5.07E-05

Total HAPs (tons/yr) = 0.05

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

10⁶ scf = MMCF

Heating Value = 1000 MMBtu/10⁶ scf

Potential Throughput (MMCF/yr) = Heat Input Capacity (MMBtu/hr) * (8760 hrs/yr) * (1 MMCF/1000 MMBtu)

Potential Emissions (tons/yr) = Potential Throughput (MMCF/yr) * Emission Factor (lbs/10⁶ scf) * (1 ton/2000 lbs)

Emission Factors are from US EPA's AP 42, Chapter 1.4, Tables 1.4-1 and 1.4-2.

The five highest of both organic and metal HAPs emission factors (from US EPA's AP 42, Chapter 1.4, Tables 1.4-2, 1.4-3, and 1.4-4) are provided; additional HAPs emission factors are available in AP 42, Chapter 1.4.

Company Name: Remy International, Inc,
Address: 6512 Production Rd, Anderson, IN 46013
MSOP No.: 095-29283-00073
Reviewer: Meredith W. Jones
Date: 4/22/09

****Cooling Tower: Natural Draft****

<i>Circulating Water Flow Rate (gal/min)</i>	<i>lbs PM emitted/ 1000 gal</i>	<i>Potential PM/PM₁₀/PM_{2.5} Emissions (lbs/hr)</i>	<i>Potential PM/PM₁₀/PM_{2.5} Emissions (tons/yr)</i>
300	0.073	1.314	5.76

PM_{2.5} and PM₁₀ emission factors are assumed to be equivalent to the PM emission factor.

Methodology

Emission Factors are from US EPA's AP 42, Chapter 13.4, Tables 13.4-1.

Potential Emissions (lbs/hr) = Circulating Water Flow Rate (gal/min) * lbs PM emitted/1000 gal * (60 min/hr)

Potential Emissions (tons/yr) = Potential Emissions (lbs/hr) * (8760 hr/yr) * (1 ton/2000 lbs)

Company Name: Remy International, Inc,
Address: 6512 Production Rd, Anderson, IN 46013
MSOP No.: 095-29283-00073
Reviewer: Meredith W. Jones
Date: 4/22/09

****Varnish Application: Dip Coating****

<i>Material</i>	<i>Usage (gal/yr)</i>	<i>VOC Content (lbs/gal)</i>	<i>Potential VOC Emissions (lbs/hr)</i>	<i>Potential VOC Emissions (tons/yr)</i>
Varnish	90	2.5	0.03	0.11
Denatured Alcohol	265	6.78	0.21	0.90
Total			0.23	1.01

HAPs

<i>Material</i>	<i>Density (lbs/gal)</i>	<i>Weight % MIBK</i>	<i>Weight % Methanol</i>	<i>Potential MIBK Emissions (tons/yr)</i>	<i>Potential Methanol Emissions (tons/yr)</i>
Varnish	9.34	-	-	-	-
Denatured Alcohol	6.78	1.9%	3.6%	0.02	0.03
Total				0.02	0.03

Total HAPs (tons/yr): 0.05

Methodology

Potential VOC Emissions (lbs/hr) = Usage (gal/yr) * lbs VOC emitted/gal * (1 yr/8760 hr)

Potential VOC Emissions (tons/yr) = Usage (gal/yr) * lbs VOC emitted/gal * (1 ton/2000 lbs)

Potential VOC Emissions (tons/yr) = Density (lbs/gal) * Usage (gal/yr) * Weight % HAP * (1 ton/2000 lbs)



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
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SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: William V Doak
Remy International
588 West 7th St
Peru, IN 46970

DATE: September 23, 2010

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

SUBJECT: Final Decision
MSOP - Renewal
095 - 29283 - 00073

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Doug Thorp, Plant Mgr
Leigh Anne Harvey ENVIRON International Corp.
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

September 23, 2010

TO: Anderson Public Library

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

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: Remy International
Permit Number: 095 - 29283 - 00073

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	LPOGOST 9/23/2010 Remy International, Inc. 095 - 29283 - 00073 final)		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

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1		William V Doak Remy International, Inc. 588 West 7th St Peru IN 46970 (Source CAATS) Via confirmed delivery									
2		Doug Thorp Plant Mgr Remy International, Inc. 6512 Production Rd Anderson IN 46013 (RO CAATS)									
3		Madison County Commissioners 16 E. 9th Suite 104 Anderson IN 46016 (Local Official)									
4		Anderson Public Library 111 E. 12th St. Anderson IN 46016-2701 (Library)									
5		Anderson Town Council & Mayors Office P.O. Box 2100 Anderson IN 46018 (Local Official)									
6		Mr. Charles L. Berger Berger & Berger, Attorneys at Law 313 Main Street Evansville IN 47700 (Affected Party)									
7		Madison County Health Department 206 E 9th St Anderson IN 46016-1512 (Health Department)									
8		Ms. Leigh Anne Harvey ENVIRON International Corp. One Indiana Square Suite 2550 Indianapolis In 46204 (Consultant)									
9		Mr. Gary McKinney Anderson Brownfields Coordinator 120 E. 8th St. Anderson IN 46016 (Local Official)									
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