



Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: August 4, 2005  
RE: AISIN USA Manufacturing Inc. / 071-21132-00017  
FROM: Paul Dubenetzky  
Chief, Permits Branch  
Office of Air Quality

### Notice of Decision: Approval - Effective Immediately

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

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

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

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

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

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

Enclosures  
FNPER.dot 1/10/05



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## MINOR SOURCE OPERATING PERMIT OFFICE OF AIR QUALITY

**AISIN U.S.A. Manufacturing, Inc.  
1700 East Fourth Street  
Seymour, Indiana 47274**

(herein known as the Permittee) is hereby authorized to 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 071-21132-00017	
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: August 4, 2005 Expiration Date: August 4, 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

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The Permittee owns and operates a stationary automobile components assembly plant.

Responsible Official:	Vice President
Source Address:	1700 East Fourth Street, Seymour, Indiana 47274
Mailing Address:	1700 East Fourth Street, Seymour, Indiana 47274
General Source Phone Number:	(812) 523-1969
SIC Code:	3714
County Location:	Jackson
Source Location Status:	Attainment for Ozone under the 1-hr standard Basic nonattainment for Ozone under the 8-hour standard Attainment area for all other criteria pollutants
Source Status:	Minor Source Operating Permit Minor Source, under PSD and Emission Offset Rules; Minor Source, Section 112 of the Clean Air Act

### A.2 Source Definition

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This automobile components assembly company consists of two (2) plants:

- (a) Plant 1 is located at 1700 East Fourth Street, Seymour, Indiana 47274; and
- (b) Plant 2 is located at 500 Burkhart Blvd, Seymour, Indiana 447274.

Since the two (2) plants belong to the same industrial grouping, the products manufactured at Plant 1 are transferred to Plant 2, and they are under common control of the same entity, they will be considered one (1) source, effective from the date of issuance of AA No. 071-20706-00017.

### A.3 Emissions Units and Pollution Control Equipment Summary

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

#### Plant 1:

- (a) One (1) roll forming-metal process, identified as EU01D, consisting of seven (7) flowcoaters, #0101, #0102, #0104, #0105, #0108, #0109 and #0111 used for adhesive application, with a maximum capacity of 4588 pounds of formed metal per hour, and exhausting to stack S8 (constructed in 1987).
- (b) One (1) roll forming-pvc process, identified as EU02, consisting of an adhesive application process and flocking process, with a maximum capacity of 1261 pounds of metal per hour, using no control, and exhausting to stack S1 (constructed in 1987).
- (c) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour:
  - (1) One (1) boiler with maximum heat input rate of 6.0 MMBtu/hr.
  - (2) One (1) space heater with maximum heat input rate of 0.53 MMBtu/hr.

- (d) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
- (e) The following VOC and HAP storage containers:  
Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (f) Application of oils, greases, lubricants, or other nonvolatile materials applied as temporary protective coatings.
- (g) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (h) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
- (i) Noncontact cooling tower systems with the following:  
Forced and induced draft cooling tower system not regulated under a NESHAP.
- (j) Quenching operations used with heat treating processes.
- (k) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (l) Paved and unpaved roads and parking lots with public access.
- (m) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (n) Emergency generators as follows:  
Two (2) diesel generators rated at 75 horsepower each.
- (o) Stationary fire pumps.
- (p) A laboratory as defined in 326 IAC 2-1.1-3(e)(3).
- (q) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (r) Activities or categories of activities with VOC emissions less than ten (10) tons per year that do not require the use of air pollution control equipment to comply with 326 IAC 8, and individual HAP emissions less than one (1) ton per year of a single HAP or two and one-half (2.5) tons per year of any combination of HAPs listed pursuant to Section 112(b) of the CAA:
  - (1) One (1) E-coat Line, identified as EU01A, with a maximum capacity of 1600 pounds of glass guides per hour, using no control, and exhausting to general ventilation (constructed in 1989).
  - (2) One (1) E-coat Line, identified as EU01B, with a maximum capacity of 1600 pounds of glass guides per hour, using no control, and exhausting to general ventilation (constructed in 1997).
  - (3) Cleanup solvent usage.

Plant 2:

One (1) molding process used for bending and shearing of formed metal strips.

## **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]**

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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**

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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 [IC13-15-5-3]**

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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]**

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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]**

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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)]**

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- (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  
Indianapolis, IN 46204
- (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]**

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days (this time frame is determined on a case by case basis but no more than ninety (90) days) after issuance of this permit, including the following information on each emissions unit:
- (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 Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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 PMP's 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 PMP 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).

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

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- (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  
Indianapolis, Indiana 46204

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] [IC13-17-3-2] [IC 13-30-3-1]**

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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)]**

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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]**

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- (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]**

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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 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  
Indianapolis, Indiana 46204

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.

## **Compliance Requirements [326 IAC 2-1.1-11]**

### **C.6 Compliance Requirements [326 IAC 2-1.1-11]**

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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.7 Compliance Monitoring [326 IAC 2-1.1-11]**

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

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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.

### **C.9 Compliance Response Plan - Preparation and Implementation**

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- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ, upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:
- (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.
  - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response, the Permittee shall amend its Compliance Response Plan to include such response steps taken.
- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
- (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
  - (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
  - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.

- (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
  - (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
  - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.
  - (3) An automatic measurement was taken when the process was not operating.
  - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

### **Record Keeping and Reporting Requirements**

#### **C.10 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.11 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.12 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  
Indianapolis, Indiana 46204

- (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 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

## EMMISSIONS UNITS OPERATION CONDITIONS

### Emissions Unit Description:

- (a) One (1) roll forming-metal process, identified as EU01D, consisting of seven (7) flowcoaters, #0101, #0102, #0104, #0105, #0108, #0109 and #0111 used for adhesive application, with a maximum capacity of 4588 pounds of formed metal per hour, and exhausting to stack S8 (constructed in 1987).
- (b) One (1) roll forming-pvc process, identified as EU02, consisting of an adhesive application process and a flocking process, with a maximum capacity of 1261 pounds of metal per hour, using no control, and exhausting to stack S1 (constructed in 1987).

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

### Emission Limitations and Standards

#### D.1.1 Volatile Organic Compound (VOC) Content Limitations [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9, the Permittee shall not allow the discharge into the atmosphere of VOC in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator.

#### D.1.2 Volatile Organic Compound (VOC) Limitations, Clean-up Requirements [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9 (f), all solvents sprayed from the application equipment of roll forming-metal process (EU01D) during cleanup or color changes shall be directed into containers. Said containers shall be closed as soon as the solvent spraying is complete. In addition, all waste solvent shall be disposed of in such a manner that minimizes evaporation.

#### D.1.3 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6]

Any change or modification to EU02 that may increase the PTE of VOC to more than 25 tons per year shall be subject to the requirements of 326 IAC 8-1-6 and must be approved by the Office of Air Quality before such change can occur.

### Compliance Determination Requirements

#### D.1.4 Volatile Organic Compounds (VOC) [326 IAC 8-1-4] [326 IAC 8-1-2(a)]

Compliance with the VOC content and usage limitations contained in Conditions D.1.1 and D.1.3 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

### Record Keeping Requirement

#### D.1.5 Record Keeping Requirements [326 IAC 2-6.1-5(a)(2)]

- (a) To document compliance with conditions D.1.1 and D.1.3, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC usage limit established in conditions D.1.1 and D.1.3.
  - (1) The VOC content of each coating material and solvent used.
  - (2) The amount of coating material and solvent less water used on monthly basis.

- (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
    - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
  - (3) The volume weighted VOC content of the coatings used for each month;
  - (4) The cleanup solvent usage for each month;
  - (5) The total VOC usage for each month; and
  - (6) The weight of VOCs emitted for each compliance period.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## SECTION D.2

## EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (c) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour:
  - (1) One (1) boiler with maximum heat input rate of 6.0 MMBtu/hr.
- (d) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.

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

### Emission Limitations and Standards

#### D.2.1 Particulate [326 IAC 6-2-4]

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Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM from the 6.0 MMBtu per hour heat input boiler shall be limited to 0.60 pounds per MMBtu heat input.

#### D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

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Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee 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.

**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).

<b>Company Name:</b>	<b>AISIN U.S.A. Manufacturing, Inc.</b>
<b>Address:</b>	<b>1700 East Fourth Street</b>
<b>City:</b>	<b>Seymour, IN 47274</b>
<b>Phone #:</b>	<b>(812) 523-1969</b>
<b>MSOP #:</b>	<b>071-21132-00017</b>

I hereby certify that AISIN U.S.A. Manufacturing, Inc. is  still in operation.  
 no longer in operation.

I hereby certify that AISIN U.S.A. Manufacturing, Inc. is  
 in compliance with the requirements of **MSOP 071-21132-00017**.  
 not in compliance with the requirements of **MSOP 071-21132-00017**.

<b>Authorized Individual (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

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.

<b>Noncompliance:</b>



**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:

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

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

**Source Background and Description**

<b>Source Name:</b>	<b>AISIN U.S.A. Manufacturing, Inc.</b>
<b>Source Location:</b>	<b>1700 East Fourth Street, Seymour, Indiana 47274</b>
<b>County:</b>	<b>Jackson</b>
<b>SIC Code:</b>	<b>3714</b>
<b>Minor Source Operation Permit No.:</b>	<b>071-21132-00017</b>
<b>Permit Reviewer:</b>	<b>Vickie Cordell</b>

The Office of Air Quality (OAQ) has reviewed a permit modification application submitted April 25, 2005, from AISIN U.S.A. Manufacturing, Inc. requesting the use of an alternate adhesive with lower VOC and HAP content for the roll forming-metal process line (EU01D) and the discontinuation of use of the thermal oxidizer.

This source was issued a Title V Renewal No. 071-17626-00017 on August 25, 2004. During the Renewal review, IDEM, OAQ, learned that the source had removed emission units EU-01C and EU-03 and changed all the coatings used at the source resulting in a potential to emit *after control* of any single HAP and combination of HAPs of less than 10 and 25 tons per year, respectively. The source could have applied for a FESOP at that time, but opted instead to remain a Title V source pursuant to 326 IAC 2-7-2(c).

With the change in adhesive for EU01D, the *uncontrolled* potential to emit of volatile organic compounds and the *uncontrolled* potential to emit for hazardous air pollutants HAPs will be below major source levels. Therefore, the source will no longer be subject to Part 70 permitting requirements and a Minor Source Operating Permit will be issued.

**Source Definition**

The Source Definition from Title V Administrative Amendment A 071-20706-00017 issued on March 28, 2005, was incorporated into this permit as follows:

This automobile components assembly company consists of two (2) plants:

- (a) Plant 1 is located at 1700 East Fourth Street, Seymour, Indiana 47274; and
- (b) Plant 2 is located at 500 Burkhart Blvd, Seymour, Indiana 47274.

Since the two (2) plants belong to the same industrial grouping, the products manufactured at Plant 1 are transferred to Plant 2, and they are under common control of the same entity, they will be considered one (1) source, effective from the date of issuance of AA No. 071-20706-00017.

**Permitted Emission Units and Pollution Control Equipment**

The source consists of the following permitted emission units and pollution control devices:

Plant 1:

- (a) One (1) roll forming-metal process, identified as EU01D, consisting of seven (7) flowcoaters, #0101, #0102, #0104, #0105, #0108, #0109 and #0111 used for adhesive application, with a maximum capacity of 4588 pounds of formed metal per hour, and exhausting to stack S8 (constructed in 1987).

- (b) One (1) roll forming-pvc process, identified as EU02, consisting of an adhesive application process and flocking process, with a maximum capacity of 1261 pounds of metal per hour, using no control, and exhausting to stack S1 (constructed in 1987).
- (c) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour:
  - (1) One (1) boiler with maximum heat input rate of 6.0 MMBtu/hr. [326 IAC 6-2-4]
  - (2) One (1) space heater with maximum heat input rate of 0.53 MMBtu/hr.
- (d) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2]
- (e) The following VOC and HAP storage containers:  
Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (f) Application of oils, greases, lubricants, or other nonvolatile materials applied as temporary protective coatings.
- (g) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (h) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
- (i) Noncontact cooling tower systems with the following:  
Forced and induced draft cooling tower system not regulated under a NESHAP.
- (j) Quenching operations used with heat treating processes.
- (k) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (l) Paved and unpaved roads and parking lots with public access.
- (m) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (n) Emergency generators as follows:  
Two (2) diesel generators rated at 75 horsepower each.
- (o) Stationary fire pumps.
- (p) A laboratory as defined in 326 IAC 2-1.1-3(e)(3).
- (q) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment. [326 IAC 6-3-2]
- (r) Activities or categories of activities with VOC emissions less than ten (10) tons per year that do not require the use of air pollution control equipment to comply with 326 IAC 8, and individual HAP emissions less than one (1) ton per year of a single HAP or two and one-half (2.5) tons per year of any combination of HAPs listed pursuant to Section 112(b) of the CAA:

- (1) One (1) E-coat Line, identified as EU01A, with a maximum capacity of 1600 pounds of glass guides per hour, using no control, and exhausting to general ventilation (constructed in 1989).
- (2) One (1) E-coat Line, identified as EU01B, with a maximum capacity of 1600 pounds of glass guides per hour, using no control, and exhausting to general ventilation (constructed in 1997).
- (3) Cleanup solvent usage.

Plant 2:

One (1) molding process used for bending and shearing of formed metal strips.

### **Unpermitted Emission Units and Pollution Control Equipment**

There are no unpermitted emission units operating at this source during this review process.

### **Existing Approvals**

The source has constructed or has been operating under the following previous approvals:

- (a) Part 70 Permit Renewal No. 071-17626-00017, issued on August 25, 2004; and
- (b) First Administrative Amendment No. 071-20706-00017, issued March 28, 2005.

All conditions from the Part 70 permit as amended were incorporated into this minor source operating permit, except for all conditions relating only to major sources and all conditions specifically for the oxidizer.

### **Justification for the Revision**

The source no longer meets the major source criteria of 326 IAC 2-7-1(22). Pursuant to 326 IAC 2-6.1-2, a minor source operating permit (MSOP) is being issued for the source.

### **Enforcement Issue**

There are no enforcement actions pending.

### **Recommendation**

The staff recommends to the Commissioner that the permit modification be approved. This recommendation is based on the following facts and conditions:

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

A complete application for the purposes of this review was received on April 25, 2005.

### **Emission Calculations**

See Appendix A of this document for detailed emission calculations. The calculations submitted by the applicant have been verified and found to be accurate and correct. These calculations are included in Appendix A of this document.

### Potential to Emit of the Source after Modification

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

Process/emission unit	Potential to Emit (tons/year)						
	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs <sup>(1)</sup>
EU01D roll forming-metal				21.84			1.08 (single) 1.83 (total)
EU02 roll forming pvc				24.63			7.22 (single) 15.63 (total)
EU01A E-coat line				0.0018			
EU01B E-coat line				0.0018			
Natural Gas Combustion	0.05	0.22	0.02	0.16	2.40	2.86	0.051 (single) 0.054 (total)
Diesel Emergency Gen.	0.08	0.08	0.08	0.09	0.25	1.16	
Misc. Cleanup				1.23			1.23 (single) 1.23 (total)
<b>Total PTE</b>	<b>0.13</b>	<b>0.30</b>	<b>0.10</b>	<b>47.95</b>	<b>2.65</b>	<b>4.02</b>	<b>7.22 (single) 18.74 (total)</b>

Note: (1) Details of HAP emissions are shown in Appendix A

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of pollutants are less than 100 tons per year. 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/or 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, the source is subject to the provisions of 326 IAC 2-6.1. An MSOP will be issued.
- (b) These emissions were based on the calculations from the application and from the Part 70 Renewal issued in 2004, as shown in **Appendix A** to this TSD.

### Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2002 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM-10	0
SO <sub>2</sub>	0
VOC	20
CO	2
NO <sub>x</sub>	3
HAP (specify)	not reported

## County Attainment Status

The source is located in Jackson County.

Pollutant	Status
PM-10	Attainment
PM-2.5	Attainment
SO <sub>2</sub>	Attainment
NO <sub>2</sub>	Attainment
1-Hour Ozone	Attainment
8-Hour Ozone	Nonattainment
CO	Attainment
Lead	Attainment

## Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source is no longer subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons per year.

## Federal Rule Applicability

- (a) This source is not subject to the provisions of 40 CFR 64, Compliance Assurance Monitoring. In order for this rule to apply, a specific emissions unit must meet three criteria for a given pollutant:
  - (1) The unit is subject to an emission limitation or standard for the applicable regulated air pollutant;
  - (2) The unit uses a control device to achieve compliance with any such emission limitation or standard, and
  - (3) The unit has potential pre-control device emissions of the applicable regulated air pollutant that are equal or greater than 100 percent of the amount required for a source to be classified as a major source.

For this source, no unit has potential pre-control emissions of a regulated air pollutant that are equal or greater than 100 tons per year. Therefore, 40 CFR 64 is not applicable.

- (b) The boiler constructed in 1987 and rated at 6.0 MMBtu per hour is not subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60.40c, Subpart Dc) because the boiler was constructed before June 9, 1989. In addition, the unit's capacity is less than the rule applicability threshold of 10 MMBtu per hour.
- (c) The 6.0 MMBtu natural gas fired boiler is not subject to the requirements of the National Emission Standards for Industrial, Commercial, and Institutional Boilers and Process Heaters, 326 IAC 20, (40 CFR Part 63.75, Subpart DDDDD), because single HAP and total HAPs are less than 10 and 25 tons per year, respectively.

- (d) The degreasing is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), 40 CFR 63, Subpart T because single HAP and total HAPs are less than 10 and 25 tons per year, respectively.
- (e) This source is not subject to the National Emission Standards for Hazardous Air Pollutants, [326 IAC 20-1][40 CFR Part 63, Subpart A] [Table 2 to 40 CFR Part 63, Subpart M] [40 CFR 63.3901] General Provisions Relating to HAPs because single HAP and total HAPs are less than 10 and 25 tons per year, respectively.

### **State Rule Applicability – Entire Source**

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

The source was constructed in 1987, after the PSD applicability of August 7, 1977. This source is not a major stationary source because emissions of PM, PM<sub>10</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub> and VOC have always been less than 250 tons per year and it is not one of the 28 listed source categories.

#### 326 IAC 2-3 (Emission Offset)

Jackson County has been redesignated as nonattainment for the 8-hour ozone standard. However, this source is not a major stationary source because emissions of VOC and NO<sub>x</sub> are less than 100 tons per year. Therefore, 326 IAC 2-3 is not applicable.

#### 326 IAC 1-5-2 (Emergency Reduction Plans)

Following the change in adhesive for emission unit EU01D, the source will no longer be subject to Emergency Reduction Plan (ERP) requirements because the PTE of each pollutant is less than 100 tons per year.

#### 326 IAC 2-6 (Emission Reporting)

Following the change in adhesive for emission unit EU01D, the source will no longer be subject to 326 IAC 2-6 (Emission Reporting) because the source is no longer required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program.

#### 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 Exemptions), opacity shall meet the following, unless otherwise stated in the 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.

#### 326 IAC 2-4.1 (New Source Toxics Control)

This source is not subject to 326 IAC 2-4.1 (New Source Toxics Control), because no process or production unit constructed after July 27, 1997, in and of itself emits or has the potential to emit (PTE) 10 tons per year of any HAP or 25 tons per year of any combination of HAPs.

### **State Rule Applicability – Individual Facilities**

#### Surface coating operation EU01D

#### 326 IAC 8-2-9 (Miscellaneous Metal Coating)

Pursuant to 326 IAC 8-2-9, the Permittee shall not allow the discharge into the atmosphere of VOC in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator.

Pursuant to 326 IAC 8-2-9 (f), all solvents sprayed from the application equipment of roll forming-metal process (EU01D) during cleanup or color changes shall be directed into containers. Said containers shall be closed as soon as the solvent spraying is complete. In addition, all waste solvent shall be disposed of in such a manner that minimizes evaporation.

**Note:** The catalytic oxidizer for EU01D was initially installed for compliance with 326 IAC 8-2-9. The change to an adhesive with a compliant VOC content will allow operation of the emission unit without the use of add-on control.

#### 326 IAC 8-1-6 (New Facilities)

This rule applies to facilities located anywhere in the state that were constructed on or after January 1, 1980, which have potential volatile organic compound (VOC) emissions of 25 tons per year or more and are not subject to other provisions of Article 8.

The one (1) roll forming-metal process, identified as EU01D, was constructed after January 1, 1980, with potential uncontrolled VOC emissions in excess of 25 tons per year. However, this operation is subject to the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating), therefore, it is not subject to the requirements of 326 IAC 8-1-6.

#### 326 IAC 6-3-2 (Process Operations)

Pursuant to 326 IAC 6-3-1(b)(7), surface coating operation EU01D is not subject to the requirements of 326 IAC 6-3-2 because the operation applies coatings through flow coating.

#### Surface coating operations EU02, EU01A, and EU01B

#### 326 IAC 6-3-2 (Process Operations)

Pursuant to 326 IAC 6-3-1(b)(6) and (8), surface coating operations EU01A, EU01B, and EU02 are not subject to the requirements of 326 IAC 6-3-2 because these operations apply coatings through roll coating and brushing application methods.

Pursuant to 326 IAC 6-3-1(b)(14), the flocking process associated with EU02 is exempt from 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) because the uncontrolled potential to emit is less than 0.551 pound per hour.

#### 326 IAC 8-1-6 (New Facilities)

This rule applies to facilities located anywhere in the state that were constructed on or after January 1, 1980, which have potential volatile organic compound (VOC) emissions of 25 tons per year or more and are not subject to other provisions of Article 8.

The one (1) roll forming-pvc process, identified as EU02, constructed after January 1, 1980, has a maximum uncontrolled VOC potential emission of 24.63 tons per year. Therefore, this rule does not apply.

Any change or modification to EU02 that may increase the PTE of VOC to more than 25 tons per year shall be subject to the requirements of 326 IAC 8-1-6 and must be approved by the Office of Air Quality before such change can occur.

#### 326 IAC 8-2-9 (Miscellaneous Metal Coating)

The one (1) roll forming-pvc process, identified as EU02 (constructed in 1987), does not coat metal, therefore, 326 IAC 8-2-9 does not apply.

The two (2) E-coat lines identified as EU01A and EU01B which surface coat metal are not subject to the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coatings) because each line has potential to emit VOC less than 15 pounds per day.

### Cold cleaner degreaser

#### 326 IAC 8-3-2 (Cold Cleaner Operations)

The source, which is located in Jackson County and maintains cold cleaning parts washer with capacities of less than 145 gallons (i.e., insignificant activities), is subject to the applicable rule requirements since the facilities are new after January 1, 1980. As such, and pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall ensure that the following requirements are met for the degreasing operation:

- (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 requirements of this rule apply to cold cleaning degreasers without remote solvent reservoir that were either existing as of July 1, 1990, and were located in a specified county, or constructed after July 1, 1990, and located anywhere in the state. This source, located in Jackson County which is a non-listed county, is not subject to the applicable rule requirements since the degreaser was installed in 1987 and has a remote solvent reservoir.

#### 326 IAC 8-6 (Organic Solvent Emission Limitations)

This rule applies to sources commencing operation after October 7, 1974 and prior to January 1, 1980, located anywhere in the state, with potential solvent VOC emissions of 100 tons per year or more, and not regulated by any other provision of Article 8. This source was constructed after January 1, 1980. Therefore, this rule does not apply to this source.

### Natural gas-fired boiler

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

The one (1) natural gas fired boiler (constructed after 1983), with a maximum heat input capacity rating of 6.0 MMBtu per hour, is subject to the particulate matter limitations of 326 IAC 6-2-4. Pursuant to 326 IAC 6-2-4(a), because the maximum heat input capacity is less than 10 MMBtu/hr, the boiler is limited to emissions of less than 0.60 lbs PM/MMBtu.

#### 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The requirements of 326 IAC 7-1.1 are not applicable to the natural gas-fired boiler because the potential to emit of SO<sub>2</sub> is less than ten (10) pounds per hour and twenty-five (25) tons per year.

### Diesel-fired emergency generators

#### 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The requirements of 326 IAC 7-1.1 are not applicable to the two (2) emergency generators because the potential to emit of SO<sub>2</sub> for each generator is less than ten (10) pounds per hour and twenty-five (25) tons per year.

### **Testing Requirements**

#### 326 IAC 2-7-6(1),(6) (Testing Requirements)

VOC emissions testing to demonstrate compliance with 326 IAC 8-2-9 using the thermal oxidizer was performed on August 21, 2002. The thermal oxidizer will no longer be operated, therefore no stack testing is required.

### **Compliance Requirements**

There are no compliance monitoring requirements applicable to this source at this time.

### **Conclusion**

The operation of this automobile components surface coating assembly plant shall be subject to the conditions of this Minor Source Operating Permit 071-21132-00017.

**Appendix A: Emissions Calculations  
EU-01D Adhesive Application**

**Company Name: AISIN U.S.A. Manufacturing, Inc.**  
**Address City IN Zip: 1700 East Fourth Street, Seymour, IN 47274**  
**Permit Number/Plt ID: MSOP 071-21132-00017**  
**Reviewer: Vickie Cordell**  
**Application Received: April 25, 2005**

**Potential to Emit with use of Adhesive Listed in Permit**

Emission Unit ID Number	Product Name	Density (lb/gal)	Product Usage (gal/unit)	Process Rate (units/hr)	VOC Content less water & NPRS (lb/gal)	VOC Content (lb/gal)	VOC Emission Rate (lb/hr)	VOC Emission Rate (tpy)
EU-01D	A 1689 B	7.05	0.00056	3919	6.63	6.63	14.55	63.51
<b>After Control with 96.0% Control Efficiency</b>							0.58	2.55

**Potential to Emit with use of New Adhesive**

Emission Unit ID Number	Product Name	Density (lb/gal)	Product Usage (gal/unit)	Process Rate (units/hr)	VOC Content less water & NPRS (lb/gal)	VOC Content (lb/gal)	VOC Emission Rate (lb/hr)	VOC Emission Rate (tpy)
EU-01D	EXP-1245S	7.4	0.00056	3919	3.4	2.28	5.00	21.84

**Methodology**

*Pounds of VOC per Gallon Coating = (Density (lb/gal) \* Weight % Organics)*

*Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr)*

*Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day)*

*Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hr/yr) \* (1 ton/2000 lbs)*

*No particulate emissions result from this operation due to the use of flow coaters for the adhesive application*

*Pounds VOC per Gallon of Solids = (Density (lbs/gal) \* Weight % organics) / (Volume % solids)*

**Appendix A: Emissions Calculations  
VOC and HAP Summary**

**Company Name: AISIN U.S.A. Manufacturing, Inc.**  
**Address City IN Zip: 1700 East Fourth Street, Seymour, IN 47274**  
**Permit Number/Plt ID: MSOP 071-21132-00017**  
**Reviewer: Vickie Cordell**  
**Application Received: April 25, 2005**

**Potential Uncontrolled VOC & HAP Emission Summary Prior to Product Change**

Emission Unit Listed in Permit	Product Name	Material ID No.	VOC Emissions (tons/year)	Formaldehyde Emissions (tons/yr)	Toluene Emissions (tons/yr)	MEK Emissions (tons/yr)	MIBK Emissions (tons/yr)	Methanol Emissions (tons/yr)
EU-01A	Powercron Black Feed	CF665-415	0.00181	--	--	--	--	--
EU-01B	Powercron Black Feed	CF665-415	0.00181	--	--	--	--	--
EU-01D	A 1689 B	276605	63.7	0.07	27.11	16.94	--	--
	Olester A Kai	A Kai	16.75	--	--	2.89	7.22	--
EU-02	Olester B Kai	B Kai	6.07	--	1.63	2.07	--	--
	Hamatite	Hamatite 6066	1.81	--	--	0.91	--	0.91
<b>Totals</b>			<b>88.33</b>	<b>0.07</b>	<b>28.74</b>	<b>22.81</b>	<b>7.22</b>	<b>0.91</b>

Pollutant	Emissions (tons/yr)
Single HAP	28.74
Combined HAP	59.75
VOC	88.33

**Potential Controlled VOC & HAP Emissions Summary Prior to Product Change**

Emission Unit Listed in Permit	Product Name	Material ID No.	VOC Emissions (tons/year)	Formaldehyde Emissions (tons/yr)	Toluene Emissions (tons/yr)	MEK Emissions (tons/yr)	MIBK Emissions (tons/yr)	Methanol Emissions (tons/yr)
EU-01A	Powercron Black Feed	CF665-415	0.00181	--	--	--	--	--
EU-01B	Powercron Black Feed	CF665-415	0.00181	--	--	--	--	--
EU-01D	A 1689 B	276605	2.55	0.07	1.08	0.68	--	--
	Olester A Kai	A Kai	16.75	--	--	2.89	7.22	--
EU-02	Olester B Kai	B Kai	6.07	--	1.63	2.07	--	--
	Hamatite	Hamatite 6066	1.81	--	--	0.91	--	0.91
<b>Totals</b>			<b>27.18</b>	<b>0.07</b>	<b>2.71</b>	<b>6.55</b>	<b>7.22</b>	<b>0.91</b>

Pollutant	Emissions (tons/yr)
Single HAP	7.22
Combined HAP	17.46
VOC	27.18

**Potential VOC & HAP Emission Summary After Switching to New Adhesive**

Emission Unit Listed in Permit	Product Name	Material ID No.	VOC Emissions (tons/year)	Formaldehyde Emissions (tons/yr)	Toluene Emissions (tons/yr)	MEK Emissions (tons/yr)	MIBK Emissions (tons/yr)	Methanol Emissions (tons/yr)
EU-01A	Powercron Black Feed	CF665-415	0.00181	--	--	--	--	--
EU-01B	Powercron Black Feed	CF665-415	0.00181	--	--	--	--	--
EU-01D	EXP-1245S	EXP1245S	21.84	--	--	--	--	--
	Olester A Kai	A Kai	16.75	--	--	2.89	7.22	--
EU-02	Olester B Kai	B Kai	6.07	--	1.63	2.07	--	--
	Hamatite	Hamatite 6066	1.81	--	--	0.91	--	0.91
<b>Totals</b>			<b>46.47</b>	<b>0.00</b>	<b>1.63</b>	<b>5.87</b>	<b>7.22</b>	<b>0.91</b>

Pollutant	Emissions (tons/yr)
Single HAP	7.22
Combined HAP	15.63
VOC	46.47

**Appendix A: Emissions Calculations**  
**Natural Gas-Fired Oxidizer BEING REMOVED**  
**MM BTU/HR <100**

**Company Name:** AISIN U.S.A. Manufacturing, Inc.  
**Address City IN Zip:** 1700 East Fourth Street, Seymour, IN 47274  
**Permit Number/Plt ID:** MSOP 071-21132-00017  
**Reviewer:** Vickie Cordell  
**Application Received:** April 25, 2005

Heat Input Capacity  
MMBtu/hr  
5.5

Potential Throughput  
MMCF/yr  
48.2

	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.05	0.18	0.01	2.41	0.13	2.02

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

\*\*Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Note: Check the applicable rules and test methods for PM and PM10 when using the above emission factors to confirm that the correct factor is used (i.e., condensable included/not included).

**Appendix A: Emissions Calculations**  
**Natural Gas-Fired Oxidizer BEING REMOVED**

**MM Btu/hr 0.3 - < 100**  
**HAPs Emissions**

**Company Name:** AISIN U.S.A. Manufacturing, Inc.  
**Address City IN Zip:** 1700 East Fourth Street, Seymour, IN 47274  
**Permit Number/Plt ID:** MSOP 071-21132-00017  
**Reviewer:** Vickie Cordell  
**Application Received:** April 25, 2005

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr				
5.5	48.2				
HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	5.059E-05	2.891E-05	1.807E-03	4.336E-02	8.191E-05
HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	1.205E-05	2.650E-05	3.373E-05	9.154E-06	5.059E-05

Methodology is the same as page 16.

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100**

**Company Name:** AISIN U.S.A. Manufacturing, Inc.  
**Address City IN Zip:** 1700 East Fourth Street, Seymour, IN 47274  
**Permit Number/Plt ID:** MSOP 071-21132-00017  
**Reviewer:** Vickie Cordell  
**Application Received:** April 25, 2005

Heat Input Capacity	Potential Throughput
MMBtu/hr	MMCF/yr
6.53	57.2

<b>Facilities</b>	<b>MMBtu/hr</b>
One ng fired space heater	0.53
One ng fired boiler	6
<b>Total</b>	<b>6.53</b>

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0	5.5	84.0
				**see below		
Potential Emission in tons/yr	0.05	0.22	0.02	2.86	0.16	2.40

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

\*\*Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Note: Check the applicable rules and test methods for PM and PM10 when using the above emission factors to confirm that the correct factor is used (i.e., condensable included/not included).

**Appendix A: Emissions Calculations  
 Natural Gas Combustion Only  
 MM Btu/hr 0.3 - < 100  
 HAPs Emissions**

**Company Name:** AISIN U.S.A. Manufacturing, Inc.  
**Address City IN Zip:** 1700 East Fourth Street, Seymour, IN 47274  
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**Reviewer:** Vickie Cordell  
**Application Received:** April 25, 2005

Heat Input Capacity MMBtu/hr 6.53
-----------------------------------------

Potential Throughput MMCF/yr 57.2
-----------------------------------------

HAPs - Organics

Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	6.006E-05	3.432E-05	2.145E-03	5.148E-02	9.724E-05

HAPs - Metals

Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	1.430E-05	3.146E-05	4.004E-05	1.087E-05	6.006E-05

Methodology is the same as Appendix A page 5.

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Appendix A: Emission Calculations**  
**Internal Combustion Engines - Diesel Fuel, up to 600 hp**  
**Two (2) Emergency Generators, 75 hp each**

**Company Name:** AISIN U.S.A. Manufacturing, Inc.  
**Address City IN Zip:** 1700 East Fourth Street, Seymour, IN 47274  
**Permit Number/Plt ID:** MSOP 071-21132-00017  
**Reviewer:** Vickie Cordell  
**Application Received:** April 25, 2005

**Emissions calculated based on output rating (hp)**

Heat Input Capacity Horsepower (hp)	Potential Throughput hp-hr/yr	At 500 hours per year: Potential Throughput hp-hr/yr				
150	1314000	75000				
	Pollutant					
Emission Factor in lb/hp-hr	PM*	PM10*	SO2	NOx	VOC	CO
	2.20E-03	2.20E-03	2.05E-03	0.031	0.0025	6.68E-03
Potential Emission in tons/yr	1.45	1.45	1.35	20.37	1.65	4.39
<b>PTE at 500 hrs/yr, in tons/yr</b>	0.08	0.08	0.08	1.16	0.09	0.25

**Methodology**

PTE of emergency generators is calculated at 500 hrs/yr per unit in accordance with EPA guidance.  
 Potential Throughput (hp-hr/yr) = hp \* 8760 hr/yr  
 Emission Factors are from AP-42 (Supplement B 10/96), Table 3.3-1  
 Emission (tons/yr) = [Heat input rate (MMBtu/hr) x Emission Factor (lb/MMBtu)] \* 8760 hr/yr / (2,000 lb/ton )  
 Emission (tons/yr) = [Potential Throughput (hp-hr/yr) x Emission Factor (lb/hp-hr)] / (2,000 lb/ton )  
 \*PM 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.

**Appendix A: Emission Calculations  
Misc. Cleanup Operations**

**Company Name:** AISIN U.S.A. Manufacturing, Inc.  
**Address City IN Zip:** 1700 East Fourth Street, Seymour, IN 47274  
**Permit Number/Plt ID:** MSOP 071-21132-00017  
**Reviewer:** Vickie Cordell  
**Application Received:** April 25, 2005

**Miscellaneous clean-up operations**

VOC/HAP Emissions from Line # 01013

Pollutant	Chemical	Maximum Usage (lb/yr)	Weight Percent VOC (%)	Potential emission rate (TPY)
VOC/HAP	Methyl Ethyl Ketone	2460.100	100.00%	1.230
			<b>Total VOC/HAP</b>	<b>1.230</b>

**METHODOLOGY**

Maximum material usage of 1 gallons per day and VOC contents are provided by the source; 100% emission is assumed.

Density of MEK is 6.74 pounds per gallon

Potential Emissions, lbs/hr = Max. Rate (lb/hr) x VOC content (%)

Potential Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/day x 1 ton/2,000 lbs.

## Appendix A: Emission Calculations

**Company Name:** AISIN U.S.A. Manufacturing, Inc.  
**Address City IN Zip:** 1700 East Fourth Street, Seymour, IN 47274  
**Permit Number/Plt ID:** MSOP 071-21132-00017  
**Reviewer:** Vickie Cordell  
**Application Received:** April 25, 2005

Uncontrolled Potential Emissions (tons/year)					
Emissions Generating Activity					
Pollutant	Surface Coating	Natural Gas Combustion	Diesel-Fired Emerg. Generators	Misc. Cleanup Activities	TOTAL
PM	negl.	0.05	0.08		0.13
PM10	negl.	0.22	0.08		0.30
SO2		0.02	0.08		0.10
NOx		2.86	1.16		4.02
VOC	46.47	0.16	0.09	1.23	47.95
CO		2.40	0.25		2.65
total HAPs	15.63	0.05		1.23	16.91
worst case single HAP	(MIBK) 7.22	(Hexane) 0.05		(MEK) 1.23	(MIBK) 7.22

Total emissions based on rated capacity at 8,760 hours per year, except emergency generators are based on 500 hours per year.