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

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: January 23, 2007

RE: AISIN Driveshaft, Inc. / 071-24029-00030

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

Notice of Decision: Approval - Registration

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 4-21.5-3-4(d) this order is effective when it is served. When served by U.S. mail, the order is effective three (3) calendar days from the mailing of this notice pursuant to IC 4-21.5-3-2(e).

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days 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
FN-REGIS.dot 03/23/06

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Mark Warren
Aisin Drivetrain, Inc.
1001 Industrial Way
Crothersville, Indiana 47229

January 23, 2007

Re: Registration Revision No. 071-24029-00030
to Registration No. 071-12840-00030.

Dear Mr. Warren:

The application from Aisin Drivetrain, Inc., received on December 5, 2006, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5-1, it has been determined that the following motor vehicle parts/accessories and power transmission equipment manufacturing source, to be located at 1001 Industrial Way, Crothersville, Indiana, is classified as registered:

(a) One (1) paint booth (PB1) on Drivetrain Assembly Line (T/M Line ASO100) connected to dry filters exhausting to Stack S1. The method of application is air atomization, touch-up coating transmission parts. Coating is limited to 24 ounces or less per day;

(b) One (1) natural gas fired brazing furnace (ATHT003), added in the year 2000, rated at 0.635 MMBtu/hr, exhausting to stack S3;

(c) Twenty-nine (29) natural gas fired rooftop furnaces, rated between 0.01 and 0.8 MMBtu/hr, with a combined capacity rating of 17.35 MMBtu/hr;

(d) Eight (8) natural gas propeller unit heaters, rated between 0.1 and 0.4 MMBtu/hr, with a combined capacity rating of 2.6 MMBtu/hr;

(e) One (1) 0.4 MMBtu/hr direct-fired natural gas air make-up unit;

(f) One (1) 0.3 MMBtu/hr natural gas water heater;

(g) Eight (8) metal inert gas (MIG) welders with a maximum hourly consumption of 2.75 pounds of wire per station, and one with a maximum wire usage rate of 8.25 pounds per hour;

(h) One (1) aluminum-anodizing tank, added in the year 2001, with particulate emissions controlled by a packed bed fume scrubber;

(i) Eleven (11) degreasers (ATCL003 to ATCL007, ATCL014, CCK0015, CCK1000, CCK1001, SCL1018 and SCL1020) using 0.125 gallons of water-based alkaline solvent per day (24 hour operation) for washing, cleaning, and degreasing steel metal parts, controlled by mist collectors, exhausting in the interior;

(j) Three (3) degreasers (ATCL011, ATCL012, and CCL0016) using 0.125 gallons of waterbased alkaline solvent per day (24 hour operation) for washing, cleaning, and degreasing steel metal parts, not controlled by mist collectors;

(k) Three (3) conveyorized degreasing operations (ATCL001, ATCL002, and ATCL010), using 0.125 gallons of water-based alkaline solvent per day (24 hour operation) for washing, cleaning, and degreasing steel metal parts, controlled by mist collectors, exhausting to the interior;

(l) Three (3) conveyorized degreasing operations (ATCL008, ATCL009-01, and ATCL013), using 0.125 gallons of water-based alkaline solvent per day (24 hour operation) for washing, cleaning, and degreasing steel metal parts, controlled by a mist collector, exhausting to stack S4;

(m) Five (5) lathe machines for machining controlled by a mist collector, exhausting to the interior;

(n) Twenty two (22) machine centers controlled by mist collectors, exhausting to the interior;

(o) Three (3) process water cooling towers, added in the year 2000, identified as CT1, CT2 and CT3;

(p) One (1) paint booth located in Kaizen (continuous improvement) area. Particulate emissions controlled by Jet Collector venting to interior of building. Non-production, intermittent use of aerosol spray paints;

(q) One (1) rust preventative spray unit (ATCL009-03) (on the Torque Converter Final Assembly line) using 2.5 gallons of hydrocarbon solvent per day (24 hour operation), controlled by a mist collector exhausting to stack S4, same as three (3) conveyorized degreasing operations listed above;

(r) One (1) rust preventative spray unit (on T/M Line ASO100) using 0.27 gallons of hydrocarbon solvent per hour, controlled by a mist collector that also controls paint booth PB1, exhausting to stack S1;

One (1) adhesive coating line, identified as ACL-01, to be constructed in December 2006, processing 25,228,800 clutch plate pieces per year, performing tempering press, degreasing, etching, adhesive coating operations on clutch plates, exhausting to Stacks S5 and S6;

(t) One (1) natural gas fired dryer, rated at 0.198 MMBtu/hr, to be constructed in December 2006, exhausting to Stack S7; and

(u) One (1) bonding line performing bonding, identified as BL-01, to be constructed in December 2006, processing 25,228,800 clutch plate pieces per year, adhesive recoating, code printing and dipping operations on clutch plates, exhausting to Stacks S8 and S9.

(v) One (1) batch mixing operation identified as Silent Guard Mixer (SG MIX 1) with a maximum material input of 12,380 pounds per batch and 84 batches per month. VOC and PM emissions are generated during the manual loading of solvents and powder materials. The mixing operation is equipped with a dust collector (DC-1) for PM emission control and exhausting through one (1) stack identified as S MIX 1. VOC emissions are collected in the hood over the mixer and exhaust through one (1) stack identified as S MIX 3. The empty powder material bags are stored in a Waste Bag Storage Area, producing negligible PM emissions, equipped with a dust collector (DC MIX 2) for industrial hygiene and cleanliness and exhausting through one (1) stack identified as S MIX 2.

The following conditions shall be applicable:

(a) 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 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.

(b) 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.

(c) The VOC usage at the Kaizen area paint booth shall be limited to less than fifteen (15) pounds per day. VOC emissions from the rust preventative unit on T/M Line ASO100 shall be below fifteen (15) pounds per day. Consequently, the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations) will not apply.

To document compliance with the above VOC emission limit of fifteen (15) pounds per day, the Permittee shall maintain records in accordance with (1) through (7) below. Records maintained for (1) through (7) shall be complete and sufficient to establish compliance with this VOC emission limit.

(1) The amount and VOC content of each coating material and solvent used on a daily basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) A log of the dates of use;

(3) The volume weighted VOC content of the coatings used for each day;

(4) The cleanup solvent usage for each day;

(5) The total VOC usage for each day; and

(6) The total weight of VOCs emitted for each compliance period.

(7) All records shall be retained for a period of at least five (5) years. 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.

(d) Pursuant 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for each of the cold cleaner degreasing units (ATCL003 to ATCL007, ATCL014, CCK0015, CCK1000, CCK1001, SCL1018, SCL1020, ATCL011, ATCL012, and CCL0016), the owner or operator shall ensure that the following control equipment requirements are met for each of the cold cleaner degreasing units:

(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 ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$));

(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 ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$)), 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 326 IAC 8-3-5(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 ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius ($48.9^{O}C$) (one hundred twenty degrees Fahrenheit ($120^{O}F$)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(e) Pursuant 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), for each of the cold cleaner degreasing units (ATCL003 to ATCL007, ATCL014, CCK0015, CCK1000, CCK1001, SCL1018, SCL1020, ATCL011, ATCL012, and CCL0016), the owner or operator shall ensure that the following operating requirements are met for each of the cold cleaner degreasing units:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or unit 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.

(f) Pursuant 326 IAC 8-3-7(a) (Conveyorized Degreaser Operation and Control), for each of the conveyorized degreasing units (ATCL001, ATCL002, ATCL010, ATCL008, ATCL009-01, and ATCL013), the owner or operator shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser's entrances and exits with downtime covers which are closed when the degreaser is not operating;

(2) Equip the degreaser with the following switches:

(A) A condenser flow switch and thermostat which shuts off sump heat if condenser coolant stops circulating or becomes too warm.

(B) A spray system switch which shuts off spray pump if the vapor level drops more than ten (10) centimeters (four (4) inches).

(C) A vapor level control thermostat which shuts off sump heat when vapor level rises more than ten (10) centimeters (four (4) inches).

(3) Equip the degreaser with entrances and exits which silhouette workloads in such a manner that the average clearance between the articles and the degreaser opening is either less than ten (10) centimeters (four (4) inches) or less than ten percent (10%) of the width of the opening.

(4) Equip the degreaser with a drying tunnel, rotating or tumbling basket, or other equipment which prevents cleaned articles from carrying out solvent liquid or vapor.

(5) Equip the degreaser with a permanent, conspicuous label which lists the operating requirements outlined in 326 IAC 8-3-7(b).

(6) Equip the degreaser with one (1) of the following control devices:

(A) A refrigerated chiller.

(B) A carbon adsorption system with ventilation which, with the downtime covers open, achieves a ventilation rate of greater than or equal to fifteen (15) cubic meters per minute per square meter (fifty (50) cubic feet per minute per square foot) of air to solvent interface area, and an average of less than twenty-five (25) parts per million of solvent is exhausted over one (1) complete adsorption cycle.

(C) Other systems of demonstrated equivalent or better control as those outlined in clause (A) or (B). Such systems shall be submitted to the U.S. EPA as a SIP revision.

(g) Pursuant 326 IAC 8-3-7(b) (Conveyorized Degreaser Operation and Control), for each of the conveyorized degreasing units (ATCL001, ATCL002, ATCL010, ATCL008, ATCL009-01, and ATCL013), the owner or operator shall ensure that the following operating requirements are met:

(1) Minimize solvent carryout emissions by the following:

(A) Racking articles to allow complete drainage.

(B) Maintaining the vertical conveyor speed at less than three and threetenths (3.3) meters per minute (eleven (11) feet per minute).

(2) 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.

(3) Repair solvent leaks immediately or shut down the degreaser if leaks cannot be repaired immediately.

(4) Prohibit the exhaust ventilation rate from exceeding twenty (20) cubic meters per minute per square meter (sixty-five (65) cubic feet per minute per square foot) of degreaser opening unless a greater ventilation rate is necessary to meet Occupational Safety and Health Administration [requirements].

(5) Prohibit the use of workplace fans near the degreaser opening.

(6) Prohibit visually detectable water in the solvent exiting the water separator.

(7) Cover entrances and exits at all times except when processing workloads through the degreaser.

(h) Pursuant to 326 IAC 6-3-2 (Process Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the batch mixing operation (SG MIX 1) shall not exceed 3.77 pounds per hour when operating at a process weight rate of 0.833 tons per hour.

The pounds per hour limitation was calculated using the following equation:

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

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

The dust collector (DC MIX 1) shall be in operation at all times the powder material is being loaded in to the batch mixer, in order to comply with this limit.

This registration is a revised registration issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.1-2(f)(3). The annual notice shall be submitted to:

Compliance Data Section
Office of Air Quality
100 North Senate Avenue
Indianapolis, IN 46204-2251

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,
Original signed by

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

AY/EVP

cc: File - Jackson County
Jackson County Health Department
Air Compliance – Vaughn Ison
Permit Tracking
Compliance Data Section

Registration
Annual Notification

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3)

Company Name:	**Aisin Drivetrain, Inc.**
Address:	**1001 Industrial Way, Crothersville, IN 47229**
City:	**Crothersville**
Authorized individual:	**Scott Turpin**
Phone #:	**812-793-2427**
Registration #:	**071-24029-00030**

I hereby certify that Aisin Drivetrain, Inc. is still in operation and is in compliance with the requirements of Registration **071-24029-00030**.

Name (typed):
Title:
Signature:
Date: