



Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

June 4, 2004

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
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TO: Interested Parties / Applicant

RE: Karl Schmidt Unisia, Inc. / 003-18876-00064

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot 9/16/03



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

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June 4, 2004

Mr. Mark Lennart
Karl Schmidt Unisia, Inc.
2425 Coliseum Boulevard South
Fort Wayne, Indiana 46803

Re: 003-18876-00064
First Administrative Amendment to
Part 70 T003-15163-00064

Dear Mr. Lennart,

Karl Schmidt Unisia, Inc. was issued a Part 70 permit on January 28, 2004 for the operation of a stationary aluminum foundry manufacturing pistons. A letter requesting an amendment was received on April 22, 2004. Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows.

The Permittee has requested to modify the existing Part 70 permit by including four parts washing stations that were unintentionally not included in the existing Part 70 permit. The Permittee is requesting to amend the existing Part 70 permit to include the four parts washing stations into the permit Section A.3 (c). These four parts washing stations should have been listed as insignificant emission units. The potential emissions from the four parts washing stations are classified as insignificant or exempt under rule 326 IAC 2-1.1-3(e)(10)(C) and 326 IAC 2-7-1 (21) (G)(vi)(CC) since each parts washing station will utilize less than 145 gallons of solvent per twelve (12) months.

Section A.3 (c) of the Part 70 permit is administratively amended as follows:

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4 (c)] [326 IAC 2-7-5 (15)]
This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) natural gas-fired combustion sources with heat input equal to or less than ten million British thermal units per hour, including the following:
 - (1) one (1) natural gas-fired boiler, identified as Boiler #2, constructed in 1955, with a maximum heat input capacity of 8.4 million British thermal units (MMBtu) per hour;
 - (2) one (1) natural gas-fired boiler, identified as Boiler #3, constructed in 1983, with a maximum heat input capacity of 1.0 million British thermal units (MMBtu) per hour;
 - (3) one (1) natural gas-fired boiler, identified as Boiler #5, constructed in 1955, with a maximum heat input capacity of 8.59 million British thermal units (MMBtu) per

hour;

- (4) one (1) natural gas-fired boiler, identified as Boiler #7, constructed in 2001, with a maximum heat input capacity of 3.5 million British thermal units (MMBtu) per hour;
 - (5) one (1) natural gas-fired boiler, identified as Boiler #8, constructed in 2001, with a maximum heat input capacity of 2.5 million British thermal units (MMBtu) per hour;
 - (6) one (1) natural gas-fired boiler, identified as Boiler #9, constructed in 2001, with a maximum heat input capacity of 3.5 million British thermal units (MMBtu) per hour; and
 - (7) one (1) natural gas-fired boiler, identified as Boiler #10, constructed in 2001, with a maximum heat input capacity of 3.5 million British thermal units (MMBtu) per hour.
- (b) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.
- (1) One (1) surface grinding operation, consisting of fifteen (15) surface grinders, with a maximum total throughput capacity of 800 pounds of processed metal per hour, with emissions controlled by one (1) baghouse;
- (c) The following facilities with emissions below insignificant thresholds:
- (1) ten (10) natural gas-fired reverberatory furnaces, each with a maximum melt capacity of 800 pounds per hour, referred to as F4 - F5, F11 - F12, F17 - F18, and F20 - F23. Furnaces F4 - F5, F17 - F18, and F22 each have a maximum heat input capacity of 2.4 million British thermal units (MMBtu) per hour. Furnaces F11 - F12 and F20 - F21 each have a maximum heat input capacity of 3.1 MMBtu per hour. Furnace F23 has a maximum heat input capacity of 3.0 MMBtu per hour;
 - (2) one (1) natural gas-fired reverberatory furnace, with a maximum heat input capacity of 4.6 MMBtu per hour, and a maximum melt capacity of 2,000 pounds per hour, identified as F14;
 - (3) One (1) dry hearth furnace, fueled by natural gas only, with a heat input capacity of 5.1 million British thermal units per hour, and a charging capacity of 2,000 pounds per hour, identified as F13;
 - (4) One (1) melt furnace, identified as M1, with a maximum melt capacity of 1,200 pounds per hour, equipped with one (1) natural gas-fired melt burner, with a maximum heat input capacity of 2.0 million British thermal units (MMBtu) per hour, and two (2) natural gas-fired flat flame holding burners, each with a maximum heat input capacity of 1.0 MMBtu per hour;
 - (5) One (1) natural gas-fired melt furnace, with a maximum melt capacity of 2,500 pounds per hour, and a maximum heat input capacity of 5.5 MMBtu per hour, identified as M4;
 - (6) forty-eight (48) natural gas-fired crucible furnaces, each with a maximum melt capacity of 200 pounds per hour, and each with a maximum heat input capacity of 0.5 MMBtu per hour, referred to as C1a - C48a;
 - (7) eleven (11) natural gas-fired crucible furnaces, each with a maximum melt capacity of 400 pounds per hour, and each with a maximum heat input capacity of 1.0 MMBtu per hour, identified as C1b - C11b;

- (8) two (2) natural gas-fired crucible furnaces, each with a maximum melt capacity of 600 pounds per hour, and each with a maximum heat input capacity of 1.0 MMBtu per hour, identified as C1c and C2c; and
- (9) one (1) spray booth (SB1), with a maximum capacity of coating 3 molds per hour and 3 ladles per hour, using air atomization applicators, equipped with paper filters for particulate control and exhausting to the atmosphere.
- (10) Four (4) parts washing stations each utilizing less than 145 gallons of solvent per twelve (12) months. One of the solvents of three (3) solvents used at the washing stations, identified as Safety Kleen 105 Solvent Recycled, contains 0.01% (100 ppm) of perchloroethylene.**

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Femi Ogunsola, at (973) 575-2555, ext. 3241 or dial (800) 451-6027, press 0 and ask for extension 3-6878.

Sincerely,
Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
FO/EVP

cc: File – Allen County
U.S. EPA, Region V
Allen County Health Department
Air Compliance Section Inspector: Jennifer Dorn
Compliance Data Section
Administrative and Development
Technical Support and Modeling - Michelle Boner



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PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

**Karl Schmidt Unisia, Inc.
2425 Coliseum Boulevard South
Fort Wayne, Indiana 46803**

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

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T003-15163-00064	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: January 28, 2004 Expiration Date: January 28, 2009

First Administrative Amendment No. 003-18667-00064

Second Administrative Amendment No.: 003-18876-00064 Affected pages: 5, 6 and 7	
Issued by: Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 4, 2004

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 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary aluminum foundry manufacturing pistons.

Responsible Official:	Mark Lennart, Vice President of Operations
Source Address:	2425 Coliseum Boulevard South, Fort Wayne, IN 46803
Mailing Address:	2425 Coliseum Boulevard South, Fort Wayne, IN 46803
General Source Phone Number:	(219) 423-2141
SIC Code:	3361
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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

- (a) one (1) evaporator, referred to as EV1; and
- (b) eight (8) engine test cells, all constructed in 2001, each consisting of one (1) electric dynamometer and one (1) gasoline or diesel fuel fired reciprocating internal combustion engine, each engine with a maximum heat input rating of 1.1 million British thermal units (MMBtu) per hour and a maximum power output rating of 450 horsepower (HP), each exhausting through one (1) stack (Stacks 1 through 8).

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4 (c)] [326 IAC 2-7-5 (15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) natural gas-fired combustion sources with heat input equal to or less than ten million British thermal units per hour, including the following:
 - (1) one (1) natural gas-fired boiler, identified as Boiler #2, constructed in 1955, with a maximum heat input capacity of 8.4 million British thermal units (MMBtu) per hour;
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A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).