INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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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: March 16, 2005

RE: Delphi Electronics Corp. / 067-20445-00061

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 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, 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 4-21.5-3-7 and IC 13-15-7-3 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 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-MOD.dot 1/10/05

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March 01, 2005

Mr. Jeff Blankenberger
Delco Electronics Corporation
P.O. Box 9005
Kokomo, Indiana 46904

Re: 067-20445-00061
Third Minor Source Modification to:
Part 70 permit No.:T067-6505-00061

Dear Mr. Blankenberger:

Delco Electronics Corporation was issued a Part 70 operating permit (T067-6505-00061) on October 21, 2002 for an electronic components manufacturing plant for the automobile industry. An application to modify the source was received on January 19, 2005. Pursuant to 326 IAC 2-7-10.5, the following emission units are approved for modification at the source:

One (1) semi-aqueous cleaner for ceramic substrates, located at Plant 8, Dept 889, to be constructed in 2005, with a maximum throughput of 150 ceramic substrates per hour.

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).

2. This approval to construct 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.

3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

6. Pursuant to 326 IAC 2-7-10.5(1) the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

The source may begin construction when the minor source modification has been issued. Operating conditions shall be incorporated into the Part 70 operating permit as a minor permit modification in accordance with 326 IAC 2-7-10.5(l)(2) and 326 IAC 2-7-12.

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Yu-Lien Chu, ERG,1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7871 to speak directly to Ms. Chu. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for Duane Van Laningham, or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original signed by
Paul Dubenetzky, Branch Chief
Office of Air Quality

Attachments

ERG/YC

cc: File - Howard County
Howard County Health Department
Air Compliance Section Inspector - Marc Goldman
Compliance Data Section
Administrative and Development
Technical Support and Modeling - Michele Boner

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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Delco Electronics Corporation
2100 East Lincoln Road
Kokomo, Indiana 46904-9005

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

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.: T067-6505-00061	
Originally signed by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: October 21, 2002 Expiration Date: October 21, 2007

First Significant Permit Modification No. 067-16294-00061, issued April 14, 2003
First Administrative Amendment No.: 067-17300-00061, issued September 10, 2003
First Minor Permit Modification No.: 067-17932-00061, issued December 2, 2003
Second Minor Permit Modification No.: 067-18036-00061, issued December 15, 2003
Second Administrative Amendment No.: 067-18768-00061, issued June 22, 2004

Third Minor Source Modification No.: 067-20445-00061	
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: March 01, 2005

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, A.3, and A.4 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 source which produces electronic components principally for the automotive industry.

Responsible Official:	Managing Director, Kokomo Operations
Source Address:	2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address:	P.O. Box 9005, Kokomo, Indiana 46904-9005
General Source Phone Number:	(765) 451-6738
SIC Code:	3089, 3469, 3471, 3651, 3672, 3674, 3679, 3694
County Location:	Howard
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source under PSD Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

This source which produces electronic components principally for the automotive industry consists of Plants 6, 7, and 9 (Plant ID 067-00022); Plants 8, and 10 (Plant ID 067-00023); and Fab III (Plant ID 067-00051), located respectively at 1800 - 2100 and 2150 East Lincoln Road and 2033 East Boulevard Avenue, Kokomo, Indiana.

Since these plants are located on contiguous or adjacent properties, belong to the same industrial grouping, and are under common control of the same entity, they will be considered one (1) source. One combined Part 70 Permit will be issued to Delco Electronics Corporation. The new plant ID for the combined source is 067-00061.

A.3 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) wave soldering system, referred to as EU_WS, and comprised of the following emission units:

(1) One (1) wave solder machine, ID #184842 (Plant 9, Dept. 270E), constructed in 1997, with a capacity of 500 boards per hour, 5.78 pounds of flux per hour, and 0.09 pounds of thinner per hour, and exhausting to stack 9-E98-1;

(2) One (1) selective soldering machine, ID #2700001 (Plant 9, Dept. 270S), constructed in 1998, with a capacity of 90 boards per hour, 0.738 pounds of flux per hour, and no thinner use, and exhausting to stack 9-F98-1;

(3) One (1) wave solder machine, ID #1015805 (Plant 7, Dept. 286), constructed in 2003, with a capacity of 600 boards per hour, 6.65 pounds of flux per hour, and 1.77 pounds of thinner per hour, and exhausting to stack 7-S22-1;

(4) One (1) wave solder machine, ID #181019, (Plant 9, Dept. 9602), constructed in 1991, with a capacity of 515 boards per hour, and exhausting to stack 9-F8-1;

(5) Nine (9) soldering machines, (Tech 2000 - Dept. 9502); two (2) constructed in 1999, ID#169964 and 208554; one (1) constructed in 2001; one (1) to be constructed in 2002; two (2) to be constructed in 2003; and three (3) to be constructed in 2004; all received approval in 067-10500-00061, with a capacity of 90 boards per hour each, and exhausting to stack 9-Z21-1 and 9-Z21-2; and

(6) One (1) wave soldering machine, ID #60000984, (Plant 7, Dept. 7661), constructed in 1996, with a capacity of 450 boards per hour, and exhausting to stack 7-T18-1.

(7) Two (2) selective soldering machines, identified as Lines 1 and 2, located at Plant 7, constructed in 2004, each with a maximum capacity of 500 boards per hour and a maximum flux usage of 0.44 pounds per unit.

(b) One (1) surface coating system, referred to as EU_SC, with conformal coating applied to populated fiberglass circuit boards, paints applied to plastic radio and air control buttons and plastic face plates, comprised of the following emission units:

(1) Two (2) conformal coating hoods, (Plant 7, Dept. 7086), constructed in 1996, with a maximum capacity of 200 boards per hour, venting to stack 7-S18-1;

(2) Four (4) automated select conformal coaters, (Plant 7, Dept. 7130), with a maximum capacity of 222 pounds of circuit board per hour, constructed in 2002, with no control exhausting to stack 7-T22-1;

(3) One (1) conformal coater, ID #182386, (Plant 9, Dept. 7641),constructed in 1991, with a capacity of 515 boards per hour with no control, and exhausting to stack 9-C4-1;

(4) One (1) paint spray booth 1, ID #153415, (Plant 9, Dept. 962), constructed in 1985, with a maximum coating usage of 1.5 gallons per hour, with waterwalls for control, and exhausting to stack 9-C17-1; and

(5) One (1) paint booth to coat automotive plastic parts, ID #165441, (Plant 9, Dept. 964), constructed in 1993, with a maximum coating usage of 0.89 gallons per hour with waterwalls for control, and exhausting to stack 9-C15-1.

(c) One (1) combustion system, referred to as EU_CO, comprised of the following emission units:

(1) One (1) natural gas-fired boiler, referred to as Boiler #9, Plt. 6, ID #16554, constructed in 1977, with a capacity of 16.7 MMBtu/hr, and exhausting to stack 6-K12-1;

(2) One (1) natural gas-fired boiler, referred to as Boiler #10, Plt. 6, ID #21492, constructed in 1980, with a capacity of 16.7 MMBtu/hr, and exhausting to stack 6-K12-2;

(3) One (1) natural gas-fired boiler, referred to as Boiler #1E, Plt. 8, ID #38302, constructed in 1966, with a capacity of 14.6 MMBtu/hr, and exhausting to stack 8-A11-3;

(4) One (1) natural gas-fired boiler, referred to as Boiler #2E, Plt. 8, ID #13313, constructed in 1966, with a capacity of 14.6 MMBtu/hr, and exhausting to stack 8-A11-4;

(5) One (1) natural gas-fired boiler, referred to as Boiler #3E, Plt. 8, ID #13312, constructed in 1966, with a capacity of 14.6 MMBtu/hr, and exhausting to stack 8-B11-1;

(6) One (1) natural gas-fired boiler, referred to as Boiler #1W, Plt. 8, ID #852, constructed in 1967, with a capacity of 14.6 MMBtu/hr, and exhausting to stack 8-A13-4;

(7) One (1) natural gas fired boiler, referred to as Boiler Clayton 8W1, Plt. 8, constructed in 1996, with a capacity of 24.5 MMBtu/hr, and exhausting to stack 8-A13-7;

(8) One (1) natural gas-fired boiler, referred to as Boiler Clayton 8W2, Plt. 8, constructed in 1996, with a capacity of 24.5 MMBtu/hr, and exhausting to stack 8-A13-8;

(9) One (1) natural gas-fired boiler, referred to as Boiler West (831), Plt. 8, ID #17383, constructed in 1980, with a capacity of 16.7 MMBtu/hr, and exhausting to stack 8-J27-1;

(10) One (1) natural gas-fired boiler, referred to as Boiler #8W, Plt. 9, ID #840, constructed in 1967, with a capacity of 16.7 MMBtu/hr, and exhausting to stack 9-C25-2;

(11) One (1) natural gas-fired boiler, referred to as Boiler #6W, Plt 9, ID #841, constructed in 1967, with a capacity of 16.7 MMBtu/hr, and exhausting to stack 9-C25-4;

(12) One (1) natural gas-fired boiler, referred to as Boiler #5W, Plt. 9, ID #5569, constructed in 1967, with a capacity of 16.7 MMBtu/hr, and exhausting to stack 9-C25-1;

(13) One (1) natural gas-fired boiler, referred to as Boiler #3E, Plt. 9, ID #181067, constructed in 1990, with a capacity of 20.922 MMBtu/hr, and exhausting to stack 9-F10-2;

(14) One (1) natural gas-fired boiler, referred to as Boiler #2E, Plt. 9, ID #839, constructed in 1967, with a capacity of 16.7 MMBtu/hr, and exhausting to stack 9-F10-5;

(15) One (1) natural gas-fired boiler with No. 2 fuel oil backup, referred to as Boiler #1, Fab III, ID #151563, constructed in 1984, with a capacity of 20.9 MMBtu/hr, and exhausting to stack 3-W6-M;

(16) One (1) natural gas-fired boiler with No 2 fuel oil backup, referred to as Boiler #2, Fab III, ID #151562, constructed in 1984. with a capacity of 20.9 MMBtu/hr, and exhausting to stack 3-W6-M;

(17) One (1) natural gas-fired boiler, referred to as Boiler #3, Fab III, ID #8294003, constructed in 1992, with a capacity of 20.9 MMBtu/hr, and exhausting to stack 3-W6-M;

(18) One (1) natural gas fired Cleaver-Brooks 350 hp boiler, referred to as Boiler #1 Plt. 10, constructed in 2001, with a capacity of 14.65 MMBtu/hr, and exhausting to stack 10-E10-1;

(19) One (1) natural gas fired Cleaver-Brooks 350 hp boiler, referred to as Boiler #2 Plt. 10, ID #201182, constructed in 1995, with a capacity of 14.65 MMBtu/hr, and exhausting to stack 10-E10-1;

(20) Four (4) dynamometer testing cells, known as cells 1 through 4, constructed in 1997, each equipped with a 4,000 acfm exhaust stack, total capacity: 3.75 gallons of unleaded motor fuel burned per hour, and exhausting to stack 9-E85-1; and

(21) One (1) natural gas-fired boiler, referred to as Boiler MOS, Plt 8, ID #15917, constructed in 1977, with a capacity of 12.6 MMBtu/hr, and exhausting to stack 8-K18-1.

(d) One (1) degreasing system, referred to as EU_DG, comprised of the following emission units:

(1) One (1) semi-aqueous cleaner for ceramic substrates, (Plant 6, Dept. 850), ID #6040222, constructed in 2002, with a maximum throughput of 1,500 ceramic substrates, and exhausting to stack 6-N6-1.

(2) One (1) halogenated degreaser, (Plant 8, Dept. 889) ID #161437, constructed in 1987 with a maximum capacity of 750 boards per hour.

(3) One (1) semi-aqueous cleaner for ceramic substrates, located at Plant 8, Dept 889, to be constructed in 2005, with a maximum throughput of 150 ceramic substrates per hour.

(e) One (1) quad-fine-pitch (QFP) plater with a 3400 CFM fume scrubber, constructed in 1992, referred to as EU_EP, and exhausting to stack 6-K24-3.

(f) One (1) semiconductor system, referred to as EU_CR, consisting of the following emission units:

(1) One (1) acid mixing operation for nitric, phosphoric, sulfuric, and hydrofluoric acids, constructed in 1980, with an average throughput of 9,990 gallons/yr of sulfuric acid, 3,400 gallons/yr of phosphoric acid, 7,400 gallons/yr of nitric acid, 8,000 gallons/yr of hydrofluoric acid, and 4,100 gallons/yr of acetic acid, controlled by one (1) fume scrubber, also constructed in 1980, with a maximum capacity of 25,000 CFM.

(2) One climate controlled clean room, designated as Fab I, constructed in 1981, including one (1) wet process exhausting through five (5) wet scrubbers with maximum air flow rates of 3400 CFM, 8950 CFM, 12150 CFM, 20000 CFM, and 20000 CFM, respectively, and one (1) silicon wafer coating process.

(3) One (1) climate controlled clean room, designated as Fab V, constructed in 1981, including one (1) wet process exhausting through two (2) wet scrubbers with maximum air flow rates of 12000 CFM and 16000 CFM, and one (1) silicon wafer coating process.

(4) One (1) climate controlled clean room, designated as Fab III constructed in 1984 and modified in 2003, including one (1) wet process exhausting through four (4) wet scrubbers with maximum air flow rates of 40000 CFM each, and one (1) silicon wafer coating process.

A.4 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 (10,000,000) Btu per hour:

(1) One (1) natural gas-fired boiler referred to as Boiler TTC, ID # 9424001, constructed in 1993, with a capacity of 1.8 MMBtu/hr [326 IAC 6-2-4];

(b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 [326 IAC 8-3-2] [326 IAC 8-3-5];

(1) Five (5) cold cleaners in Plant 6, constructed pursuant to CP067-3262-00022;

(2) One (1) cold cleaner in Plant 7;

(3) Four (4) cold cleaners in Plant 8;

(4) Twelve (12) cold cleaners in Plant 9; and

(5) Two (2) cold cleaners in Plant 10.

(c) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone [326 IAC 6-3-2];

(d) 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 [326 IAC 6-3-2]; and

(e) Sources emitting less than five (5) tons per year of PM, ten (10) tons per year of VOC, one (1) ton per year of a single HAP, and two and a half (2.5) tons per year of any combination of HAPs [326 IAC 6-3-2] [40 CFR 52, Subpart P]:

(1) One (1) wave solder machine, ID #202031, Dept, 7120, constructed in 1999;

(2) One (1) wave solder machine, Dept. 7120, constructed in 1999;

(3) One (1) wave solder machine, ID #1012806, Dept. 7120, constructed in 1999;

(4) One (1) wave solder machine, ID# 194110 (Plant 9, Department 9601), constructed in 1991, with a capacity of 280 boards per hour, and exhausting to Stack 9-F7-1;

(5) One (1) wave solder machine, ID#186604 (Plant 9, Dept. 9602), constructed in 1991, with a capacity of 515 boards per hour, and exhausting to stack 9-F7-2;

(6) One (1) wave solder machine, ID#165812 (Plant 9, Dept. 9604), constructed in 1983, with a capacity of 280 boards per hour, and exhausting to stack 9-C8-1; and

(7) Solvent cleaners utilizing predominantly non-photochemically reactive compounds, emitting less than 15 lb/day.

(8) Two (2) maintenance spray booths, constructed in 2003, located in the Central Maintenance Shop, with a total maximum paint usage of 0.71 gallons per hour, both controlled by dry filters.

(f) Diesel generators not exceeding one thousand six hundred (1,600) horsepower.

A.5 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).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]

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

B.3 Enforceability [326 IAC 2-7-7]

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

B.4 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.5 Severability [326 IAC 2-7-5(5)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.7 Duty to Supplement and Provide Information [326 IAC 2-7-4(b)] [326 IAC 2-7-5(6)(E)] [326 IAC 2-7-6(6)]

(a) The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.

(c) For information furnished by the Permittee to IDEM, OAA, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Compliance with Permit Conditions [326 IAC 2-7-5(6)(A)] [326 IAC 2-7-5(6)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

(1) Enforcement action;

(2) Permit termination, revocation and reissuance, or modification; or

(3) Denial of a permit renewal application.

(b) Noncompliance with any provisions of this permit, except those specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act.

(c) 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.

(d) 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.

B.9 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.

(c) A responsible official is defined at 326 IAC 2-7-1(34).

B.10 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report 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) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.11 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

(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 after issuance of this permit, including the following information on each facility:

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

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

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

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The PMP extension notification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall implement the PMPs as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or contributes to any violation. The PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept 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.12 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.13 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications [326 IAC 2-7-12(c)(7)].

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.14 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

(1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

(b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-4]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]

(1) A timely renewal application is one that is:

(A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(B) 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.

(2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

(c) Right to Operate After Application for Renewal [326 IAC 2-7-3]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

(d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]
If IDEM, OAQ, fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1)(D)(i) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]

The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

B.21 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2]

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 Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) Have access to and copy any records that must be kept under the conditions of this permit;

(c) Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) Sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)]

(a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) 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.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]

Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

(d) One (1) degreasing system, referred to as EU_DG, comprised of the following emission units:

(1) One (1) semi-aqueous cleaner for ceramic substrates, (Plant 6, Dept. 850), ID #6040222, constructed in 2002, with a maximum throughput of 1,500 ceramic substrates, and exhausting to stack 6-N6-1.

(3) One (1) semi-aqueous cleaner for ceramic substrates, located at Plant 8, Dept 889, to be constructed in 2005, with a maximum throughput of 150 ceramic substrates per hour.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.4.1 Hazardous Air Pollutants (HAPs) [40 CFR 63.50 through 63.56]

(a) The input of hexane to the conformal coaters and spray booths (Section D.2), the degreasers (part of this Section and Section D.5), and the semiconductor manufacturing process (Section D.6), minus the hexane shipped out in the waste stream, shall be less than seven and two-tenths (7.2) tons, combined, per twelve (12) consecutive month period with compliance determined at the end of each month. This limit is structured such that, when including the hexane emissions from the combustion units and insignificant activities, the source total hexane emissions remain less than ten (10) tons per year.

(b) The input of any single HAP, other than hexane, to the conformal coaters and spray booths (Section D.2), the degreasers (part of this Section and Section D.5), and the semiconductor manufacturing process (Section D.6), minus the quantity of that single HAP shipped out in the waste stream, shall be less than nine and eight-tenths (9.8) tons, combined, per twelve (12) consecutive month period with compliance determined at the end of each month. This limit is structured such that, when including the single HAP, other than hexane, emissions from the combustion units and insignificant activities, the source total single HAP, other than hexane, emissions remain less than ten (10) tons per year.

(c) The input of any combination of HAPs to the conformal coaters and spray booths (Section D.2), the degreasers (part of this Section and Section D.5), and the semiconductor manufacturing process (Section D.6), minus the quantity of HAPs shipped out in the waste stream, shall be less than twenty-two (22.0) tons, combined, per twelve (12) consecutive month period with compliance determined at the end of each month. This limit is structured such that, when including the emissions of any combination of HAPs from the combustion units and insignificant activities, the source total emissions of any combination of HAPs remain less than twenty-five (25) tons per year.

Compliance with these limitations renders the requirements of Section 112(j) of the Clean Air Act (40 CFR Part 63.50 through 63.56) not applicable.

D.4.2 Volatile Organic Compounds (VOC)[326 IAC 8-1-6]

(a) Pursuant to CP067-2848-00053 and MSM 067-145608-00061, the potential to emit VOC of the semi-aqueous cleaner for ceramic substrates, located at Dept. 850, ID #6040222, is less than 25 tons per year. Therefore the requirements of 326 IAC 8-1-6 are not applicable.

(b) The potential VOC emissions from the semi-aqueous cleaner located at Plant 8, Dept. 889 are less than 25 tons per year. Therefore the requirements of 326 IAC 8-1-6 (BACT) are not applicable.

Any change or modification which may increase the potential emissions of VOC to greater than 25 tons per year must be approved by the Office of Air Quality before any such change may occur.

D.4.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-4]

Pursuant to 326 IAC 8-3-4 (Conveyorized degreaser operation), the owner or operator of a conveyorized degreaser operation shall:

(a) Minimize carryout emissions by racking parts for best drainage and maintaining the vertical conveyor speed at less than 3.3 meters per minute (eleven (11) feet per minute);

(b) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another partly, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere;

(c) Repair solvent leaks immediately, or shut down the degreaser;

(d) Not use workplace fans near the degreaser opening; and

(e) Provide permanent, conspicuous label summarizing the operating requirements.

D.4.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities.

Compliance Determination Requirements

D.4.5 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs)

Compliance with the VOC and HAP content and usage limitations contained in Conditions D.4.1 and D.4.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by using formulation data supplied by the coating and solvent manufacturer. 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 and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.4.6 Record Keeping Requirements

(a) To document compliance with Condition D.4.1, the Permittee shall maintain records of the hexane input minus the hexane shipped out in the waste stream, the single HAP input minus the quantity of that single HAP shipped out in the waste stream, and the combination HAP input minus the quantity of HAPs shipped out in the waste stream for the conformal coaters and spray booths (Section D.2), the degreasers (part of this Section and Section D.5), and the semiconductor manufacturing process (Section D.6), combined.

(b) To document compliance with Condition D.4.2, the Permittee shall maintain records of the VOC input to the two (2) semi-aqueous cleaners for ceramic substrates minus the VOC collected as waste.

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

D.4.7 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.4.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Minor Source Modification and a Part 70 Minor Permit Modification

Source Background and Description

Source Name:	Delco Electronics Corporation
Source Location:	2100 East Lincoln Road, Kokomo, Indiana 46904
County:	Howard
SIC Code:	3089, 3469, 3471, 3651, 3672, 3674, 3679, 3694
Operation Permit No.:	T067-6505-00061
Operation Permit Issuance Date:	October 21, 2002
Minor Source Modification No.:	067-20445-00061
Minor Permit Modification No.:	067-20625-00061
Permit Reviewer:	ERG/YC

The Office of Air Quality (OAQ) has reviewed a modification application from Delco Electronics Corporation relating to the construction and operation of the following emission units and pollution control devices:

One (1) semi-aqueous cleaner for ceramic substrates, located at Plant 8, Dept 889, to be constructed in 2005, with a maximum throughput of 150 ceramic substrates per hour.

History

Delco Electronics Corporation is an existing automotive industry electronic components manufacturing plant and their Part 70 permit (T067-6505-00061) was issued on October 21, 2002. On January 19, 2005, Delco Electronics Corporation submitted an application to the OAQ requesting to construct and operate a new semi-aqueous cleaner, which is considered a conveyorized degreaser as defined in 326 IAC 1-2-21.5 and uses solvent containing no HAPs. The Permittee stated that this unit will replace the existing halogenated degreaser to reduce the HAP emissions from this source. The Permittee indicated that a separate notification will be submitted to remove the existing halogenated degreaser (ID #161437) once the proposed new semi-aqueous cleaner is operating properly.

In addition, the Permittee requested the following changes to the unit description of the existing semi-aqueous cleaners:

(a) The existing semi-aqueous cleaner #190387 (located at Plant 6, Dept. 851) was removed from this source in 2003.

(b) The identification number for the replaced semi-aqueous cleaner located at Plant 6, Dept. 850 is #6040222. This replacement was permitted in MSM #067-15608-00061, issued June 26, 2002.

Upon further review, IDEM, OAQ has made the following changes to the permit:

(a) In accordance with the credible evidence rule (62 Fed. Reg. 8314, Feb 24, 1997); Section 113(a) of the Clean Air Act, 42 U.S. C. § 7413 (a); and a letter from the United States Environmental Protection Agency (USEPA) to IDEM, OAQ dated May 18, 2004, all permits must address the use of credible evidence; otherwise, U.S. EPA will object to the permits. A new condition - B.25 has been incorporated into the revised permit to address credible evidence.

(b) The mailing address of IDEM, OAQ has been changed as follows:

110 North Senate Avenue
Indianapolis, Indiana 46204

This change has been made throughout the whole permit.

Source Definition

This source, which produces electronic components principally for the automotive industry, consists of the following plants:

(a) Plants 6, 7, and 9 (Plant ID 067-00022), located at 1800 - 2100 East Lincoln Road, Kokomo, Indiana;

(b) Plants 8 and 10 (Plant ID 067-00023), located at 2150 East Lincoln Road, Kokomo, Indiana; and

(c) Fab III (Plant ID 067-00051), located at 2033 East Boulevard Avenue, Kokomo, Indiana.

Since these plants are located on contiguous or adjacent properties, belong to the same industrial grouping, and are under common control of the same entity, IDEM, OAQ has determined that these plants are considered one (1) single source. This determination was made during the review of the source's Part 70 Permit (T067-6505-00061, issued on October 21, 2002) and will apply to this modification as well.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the Part 70 Minor Source Modification and the Part 70 Minor 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.

An application for the purposes of this review was received on January 19, 2005. Additional information was received on January 31, 2005.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (Page 1).

Potential To Emit of 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."

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	--
PM-10	--
SO_2	--
VOC	12.3
CO	--
NO_x	--

Justification for Modification

This modification is being performed through a Part 70 Minor Source Modification pursuant to 326 IAC 2-7-10.5(d)(3)(B), as the potential to emit VOC from this modification is less than 25 tons/yr and greater than 10 tons/yr. The permit modification is being performed through a Part 70 Minor Permit Modification pursuant to 326 IAC 2-7-12(b) because this modification meets all the requirements in 326 IAC 2-7-12(b)(1).

County Attainment Status

The source is located in Howard County.

Pollutant	Status
PM-10	Attainment
SO_2	Attainment
NO_2	Attainment
8-hour Ozone	Attainment
1-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

(a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and NOx are considered when evaluating the rule applicability relating to ozone. Howard County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and NOx were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) Howard County has been classified as attainment or unclassifiable in Indiana for all other pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(c) Fugitive Emissions
Since this type of operation is not in one of the 28 listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive PM emissions are not counted toward determination of PSD applicability.

Source Status

Existing Source PSD Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	Less than 100
PM-10	Less than 100
SO_2	Greater than 100, but less than 250
VOC	Greater than 250
CO	Less than 100
NOx	Greater than 250

(a) This existing source is a major stationary source because at least one of the attainment regulated pollutants (VOC and NO_x) is emitted at a rate of 250 tons per year or more, and it is not in one of the 28 listed source categories.

(b) These emissions are based upon the Technical Support Document (TSD) for the source's Part 70 Permit (T067-6505-00061), issued on October 21, 2002.

Potential to Emit of Modification After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the significant emission units after controls. The control equipment is considered federally enforceable only after issuance of this Part 70 source modification.

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
PTE of Proposed Semi-Aqueous Cleaner	-	-	-	12.3	-	-	-
PSD Significant Thresholds	25	15	40	40	100	40	NA

This modification to an existing major stationary source is not major because the emission increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability

(a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 20 and 40 CFR Parts 61 and 63) applicable to this modification.

(c) The solvent used in the proposed semi-aqueous cleaner does not contain any halogenated HAP as defined in 40 CFR 63.460. Therefore, the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Halogenated Solvent Cleaning (40 CFR Part 63.460 - 63.470, Subpart T) are not applicable to this modification.

(d) This modification does not involve a pollutant-specific emissions unit:

(1) With the potential to emit before controls equal to or greater than the major source threshold;

(2) That is subject to an emission limitation or standard; and

(3) Uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard.

Therefore, the requirements of 40 CFR 64 (Compliance Assurance Monitoring) are not applicable to this modification.

State Rule Applicability - Semi-Aqueous Cleaner

326 IAC 8-1-6 (General Reduction Requirements for VOC Emissions)

The proposed semi-aqueous cleaner will be constructed after January 1, 1980. The potential VOC emissions from this unit are less than 25 tons/yr. Therefore, the requirements of 326 IAC 8-1-6 (BACT) are not applicable. Any change or modification which may increase the potential VOC emissions from this unit to greater than twenty-five (25) tons per year must be approved by the Office of Air Quality before any such change may occur.

326 IAC 8-3-4 (Conveyorized Degreaser Operation)

The proposed semi-aqueous cleaner is considered a conveyorized degreaser. Pursuant to 326 IAC 8-3-4 (Conveyorized Degreaser Operation), the Permittee shall comply with the following:

(a) Minimize carryout emissions by racking parts for best drainage and maintaining the vertical conveyor speed at less than 3.3 meters per minute (eleven (11) feet per minute);

(b) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another partly, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere;

(c) Repair solvent leaks immediately, or shut down the degreaser;

(d) Not use workplace fans near the degreaser opening;

(e) Not allow water in solvent exiting the water separator; and

(f) Provide permanent, conspicuous label summarizing the operating requirements.

326 IAC 8-3-7 (Conveyorized Degreaser Operation and Control)

The Permittee indicated that the proposed semi-aqueous cleaner has an air to solvent interface less than two (2) square meters (twenty-one and six-tenths (21.6) square feet). Therefore, the requirements of 326 IAC 8-3-7 are not applicable to this new cleaner.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous

compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

There are no specific compliance monitoring requirements applicable to this modification.

Proposed Changes

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

. . .

(d) One (1) degreasing system, referred to as EU_DG, comprised of the following emission units:

(1) ~~Two (2)~~ **One (1)** semi-aqueous cleaner~~s~~ for ceramic substrates, (Plant 6, Dept~~s~~. 850 ~~& 851~~), ID #~~190387 and 190388~~ **6040222**, constructed in ~~1993 with #190387 replaced in~~ 2002, with a maximum throughput of 1,500 ceramic substrates ~~each~~, and exhausting to stack~~s~~ 6-N6-1 ~~and 6-M19-2, respectively; and~~**.**

(2) One (1) halogenated degreaser, (Plant 8, Dept. 889) ID #161437, constructed in 1987 with a maximum capacity of 750 boards per hour.

(3) One (1) semi-aqueous cleaner for ceramic substrates, located at Plant 8, Dept 889, to be constructed in 2005, with a maximum throughput of 150 ceramic substrates per hour.

. . .

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]

Notwithstanding the conditions of this permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or condition of this permit.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

(d) One (1) degreasing system, referred to as EU_DG, comprised of the following emission units:

(1) ~~Two (2)~~ **One (1)** semi-aqueous cleaner~~s~~ for ceramic substrates, (Plant 6, Dept~~s~~. 850 ~~& 851~~), ID #~~190387 and 190388~~ **6040222**, constructed in ~~1993 with #190387 replaced in~~ 2002, with a maximum throughput of 1,500 ceramic substrates ~~each~~, and exhausting to stack~~s~~ 6-N6-1 ~~and 6-M19-2, respectively; and~~**.**

(3) One (1) semi-aqueous cleaner for ceramic substrates, located at Plant 8, Dept 889, to be constructed in 2005, with a maximum throughput of 150 ceramic substrates per hour.

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

D.4.2 Volatile Organic Compounds (VOC)**[326 IAC 8-1-6]**

(a) Pursuant to CP067-2848-00053 and MSM 067-145608-00061, the potential to emit VOC of the ~~two (2)~~ semi-aqueous cleaner~~s~~ for ceramic substrates, **located at** ~~(~~Dept. 850 ~~and 851)~~, ID #~~190387 and 190388~~ **6040222**, is less than 25 tons per year ~~combined~~. Therefore the requirements of 326 IAC 8-1-6 are not applicable.

(b) The potential VOC emissions from the semi-aqueous cleaner located at Plant 8, Dept. 889 are less than 25 tons per year. Therefore the requirements of 326 IAC 8-1-6 (BACT) are not applicable.

. . .

D.4.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-4]

~~(a)~~ Pursuant to 326 IAC 8-3-4 (Conveyorized degreaser operation), the owner or operator of a conveyorized degreaser operation shall:

~~(1)~~**(a)** Minimize carryout emissions by racking parts for best drainage and maintaining the vertical conveyor speed at less than 3.3 meters per minute (eleven (11) feet per minute);

~~(2)~~**(b)** Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another partly, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere;

~~(3)~~**(c)** Repair solvent leaks immediately, or shut down the degreaser;

~~(4)~~**(d)** Not use workplace fans near the degreaser opening; and

~~(5)~~**(e)** Provide permanent, conspicuous label summarizing the operating requirements.

Conclusion

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 067-20445-00061. The operation of this proposed modification shall be subject to the conditions of the proposed Part 70 Minor Permit Modification No. 067-20625-00061.

Appendix A: Emission Calculations
VOC Emissions
From the Semi-Aqueous Cleaner (Plant 8, Dept. 889)

Company Name: Delco Electronics Corporation
Address: 2100 East Lincoln Road, Kokomo, IN 46904
MSM: 067-20445-00061
Reviewer: ERG/YC
Date: January 31, 2005

Material	Density (lbs/gal)	Weight % Organics	Maximum Usage (gal/hr)	Pounds VOC per gallon of Material (lbs/gal)	% of Loss*	PTE of VOC (lbs/hr)	PTE of VOC (lbs/day)	PTE of VOC (tons/yr)
BIOACT EC-7R**	7.01	100%	0.80	7.01	50%	2.81	67.3	12.3
Total						**2.81**	**67.3**	**12.3**

*This information is provided by the source. 30% will be captured in the decanter for reuse. 20% will be carried through the rinse tanks and disposed of as process wastewater.

** This solvent does not contain any regulated HAP.

METHODOLOGY

Pounds of VOC per Gallon of Material = Density (lbs/gal) x Weight % Organics
PTE of VOC (lbs/hr) = Pounds of VOC per Gallon of Material (lbs/gal) x Max. Usage (gal/hr) x % of Loss
PTE of VOC (lbs/day) = Pounds of VOC per Gallon of Material (lbs/gal) x Max. Usage (gal/hr) x % of Loss x 24 hr/day
PTE of VOC (tons/yr) = Pounds of VOC per Gallon of Material (lbs/gal) x Max. Usage (gal/hr) x % of Loss x 8760 hr/yr x 1 ton/2000 lbs