INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mitchell E. Daniels, Jr.
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Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
MC 61-53 IGCN 1003
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant

DATE: September 14, 2007

RE: Delphi Automotive Systems, LLC / 067-25046-00061

FROM: Nisha Sizemore
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 03/23/06

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September 14, 2007

Mr. Jeff Blankenberger
General Supervisor, Environmental Engineering
Delphi Automotive Systems LLC
P.O. Box 9005, MS 8121
Kokomo, IN 46904-9005

Re: 067-25046-00061
Minor Source Modification to
Part 70 No.: T 067-6505-00061

Dear Mr. Blankenberger:

Delphi Automotive Systems LLC was issued a Part 70 Operating Permit on October 21, 2002 for a for a source that produces electronic components principally for the automotive industry. A letter requesting changes to this permit was received on July 20, 2007. Pursuant to 326 IAC 2-7-10.5, the following emission units are approved for construction at the source:

- One (1) high-volume wave solder machine (Soltec Delta Wave model), (Plant 9), approved for construction in 2007, identified as MW TECH 2000 HV, ID# 211274, replacing Tech 2000 solder machine (ID# 208554), with a maximum capacity of 275 boards per hour, and exhausting to a stack 9-Z21-2.

- Three (3) low-volume wave solder machines (Vitronics Delta Wave model) (Plant 7); approved for construction in 2007; one (1) identified as MW TECH 2000-1, ID# 232607, exhausting to stack 7-U18-1; one (1) identified as MW TECH 2000-2, ID# 6035293, exhausting to stack 7-U18-2; and one (1) identified as MW TECH 2000-3, ID# 6035381, exhausting to stack 7-T18-1; with a maximum capacity of 100 boards per hour for each unit.

- Two (2) wave solder machines (Pillarhouse Topaz Solder Machine model) (Plant 7); approved for construction in 2007;one (1) identified as GMT900Solder-1, ID# 6035605, exhausting to stack 7-S17-2; and one (1) identified as GMT900Solder-2, ID# 603582, exhausting to stack 7-S18-1; with a maximum capacity of 120 boards per hour for each unit.

- One (1) TBC wave solder machine (waterborne flux) (Plant 7), approved for construction in 2007, identified as TBC, ID# 204288, with a maximum capacity of 400 boards per hour, exhausting to stack 7-T16-1.

- Two (2) solvent washers (TREK Industries Inc. DCC model); approved for construction in 2007; one (1) identified as TREK 3 Washer (Plant 9), ID# 6035287, exhausting to stack 9-A18-1; and one (1) identified as TREK 4 Washer (Plant 7), ID# 211289, exhausting to stack 7-U21-1; with a maximum capacity of 75.33 gallons per year for each unit.

- Two (2) coaters (PVA Conformal Coater model) (Plant 7); approved for construction in

2007; one (1) identified as GMT900 Coater-1, ID# 6035513, exhausting to stack 7-S16-1; and one (1) identified as GMT900 Coater-2, ID# 6035675, exhausting to stack 7-S17-1; with a maximum capacity of 400 units per hour for each unit.

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.

The source may begin construction and operation 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.

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 Laura Spriggs, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or call at (800) 451-6027, and ask for Laura Spriggs or extension (3-2637), or dial (317) 233-2637.

Sincerely,

Original document signed by

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments:
Updated Permit
Technical Support Document
PTE Calculations

lss

cc: File – Howard County
Howard County Health Department
U.S. EPA, Region V
Air Compliance Inspector - Lisa Hayhurst
Compliance Data Section
Permit Reviewer - Laura Spriggs
Permits Administration and Development

Mr. William H. Guggina
Delphi Automotive Systems LLC
P.O. Box 9005
Kokomo, IN 46904-9005

Mr. David Jordan
ERM
11350 N. Meridian Street, Ste 220
Carmel, IN 46032

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PART 70 Minor Source Modification
OFFICE OF AIR QUALITY

Delphi Automotive Systems LLC
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.

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.

Minor Source Modification No.: 067-25046-00061	
Issued by: *Original document signed by* Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: September 14, 2007

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1, 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.

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:	3679, 3672, 3089, 3469, 3471, 3651, 3674, 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 Delphi Automotive Systems LLC. 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# 6049081) Electrovert Vectra model; (Plant 9, Dept. 270S), constructed in 2006, with a capacity of 90 boards per hour, 0.63 pounds of flux per hour, and no thinner use, and exhausting to stack 9-F96-1;

(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) Five (5) solder machines, identified as Tech 2000, Dept. 9502; one (1) approved for construction in 2007, identified as MW TECH 2000 HV, ID# 211274; one (1) constructed in 2001, ID# 6040058; one (1) constructed in 2003, ID# 6033795; one (1) constructed in 2004, ID# 6044245; and one constructed in 2005, ID# 6049303; with a total capacity (5 solder machines) of 1150 boards per hour, and exhausting to stacks, 9-Z21-2, 9-Z21-1, 9-Z23-1, 9-Z22-1, and 9-A21-2 respectively;

(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) Three (3) selective soldering machines, two (2) constructed in 2004, identified as Lines 1 (ID# 6403964) exhausting to stack 7-W17-1, Line 2 (ID# 36047356) exhausting to 7-X17-1 and one (1) constructed in 2006, identified as Line 3 (ID# 764303) exhausting to stack 7-W6-1 all three (3) located at Plant 7, Department 7643, 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) semi-aqueous cleaner for ceramic substrates, located in Plant 8, Dept 889, 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.

(g) One (1) automotive ignition module production line, constructed in 2006, and consisting of the following:

(1) One (1) coil potting operation, with a maximum throughput rate of 750 units per hour.

(2) One (1) dip coating operation, with a maximum throughput rate of 150 units per hour.

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]:

(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.

(9) Three (3) low-volume wave solder machines (Vitronics Delta Wave model) (Plant

7); approved for construction in 2007; one (1) identified as MW TECH 2000-1, ID# 232607, exhausting to stack 7-U18-1; one (1) identified as MW TECH 2000-2, ID# 6035293, exhausting to stack 7-U18-2; and one (1) identified as MW TECH 2000-3, ID# 6035381, exhausting to stack 7-T18-1; with a maximum capacity of 100 boards per hour for each unit.

(10) Two (2) wave solder machines (Pillarhouse Topaz Solder Machine model) (Plant 7); approved for construction in 2007;one (1) identified as GMT900Solder-1, ID# 6035605, exhausting to stack 7-S17-2; and one (1) identified as GMT900Solder-2, ID# 603582, exhausting to stack 7-S18-1; with a maximum capacity of 120 boards per hour for each unit.

(11) One (1) TBC wave solder machine (waterborne flux) (Plant 7), approved for construction in 2007, identified as TBC, ID# 204288, with a maximum capacity of 400 boards per hour, exhausting to stack 7-T16-1.

(12) Two (2) solvent washers (TREK Industries Inc. DCC model); approved for construction in 2007; one (1) identified as TREK 3 Washer (Plant 9), ID# 6035287, exhausting to stack 9-A18-1; and one (1) identified as TREK 4 Washer (Plant 7), ID# 211289, exhausting to stack 7-U21-1; with a maximum capacity of 75.33 gallons per year for each unit.

(13) Two (2) coaters (PVA Conformal Coater model) (Plant 7); approved for construction in 2007; one (1) identified as GMT900 Coater-1, ID# 6035513, exhausting to stack 7-S16-1; and one (1) identified as GMT900 Coater-2, ID# 6035675, exhausting to stack 7-S17-1; with a maximum capacity of 400 units per hour for each unit.

(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][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

(a) This permit, 067-6505-00061, 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 of this permit.

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

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

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

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [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.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 Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ , within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. 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.

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

B.8 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 the "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. One (1) certification may cover multiple forms in one (1) submittal.

(c) The "responsible official" is defined at 326 IAC 2-1.1-1(1).

B.9 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 no later than July 1 of each year to:

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

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.10 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 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: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

(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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, 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.12 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 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.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to 067-6505-00061 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 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.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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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 Operating 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 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 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.

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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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) 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 limitations provided in 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make 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 emissions increases and decreases at 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
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.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

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

(a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2326 IAC 2-7-10.5.

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2.

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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)][326 IAC 2-1.1-7]

(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] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

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

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or

before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

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

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

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

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

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

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative [326 IAC 2-7-5][326 IAC 2-7-6] or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) These ERPs shall be submitted for approval to:

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

within ninety (90) days after the date of issuance of this permit.

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

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal

or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records;

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2007 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

(b) The emission statement 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.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

(c) If there is a reasonable possibility that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-3(ll) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(3); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

(f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll) at an existing emissions unit***)***, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).

(g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

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

(h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

(f) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(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# 6049081) Electrovert Vectra model; (Plant 9, Dept. 270S), constructed in 2006, with a capacity of 90 boards per hour, 0.63 pounds of flux per hour, and no thinner use, and exhausting to stack 9-F96-1;

(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) Five (5) solder machines, identified as Tech 2000, Dept. 9502; one (1) approved for construction in 2007, identified as MW TECH 2000 HV, ID# 211274; one (1) constructed in 2001, ID# 6040058; one (1) constructed in 2003, ID# 6033795; one (1) constructed in 2004, ID# 6044245; and one constructed in 2005, ID# 6049303; with a total capacity (5 solder machines) of 1150 boards per hour, and exhausting to stacks, 9-Z21-2, 9-Z21-1, 9-Z23-1, 9-Z22-1, and 9-A21-2 respectively;

(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) Three (3) selective soldering machines, two (2) constructed in 2004, identified as Line 1(ID# 6403964) exhausting to stack 7-W17-1 and Line 2(ID# 6047356) exhausting to stack 7-X17-1 and one (1) constructed in 2006, identified as Line 3 (ID# 764303) exhausting to stack 7-W6-1 all three (3), located at Plant 7, Department 7643, each with a maximum capacity of 500 boards per hour and a maximum flux usage of 0.44 pounds per unit.

(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.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-1-6] [326 IAC 2-2][326 IAC 2-7-10.5(d)(4)(A)]

(a) Pursuant to CP067-8909-00061, issued November 13, 1997, the input volatile organic compounds (VOC) including flux and thinner delivered to the applicators of the two (2) wave solder machines, ID# 184842 (Plant 9, Dept. 270E), and Electrovert Vectra model (ID# 6049081) Plant 9, Dept. 270S shall not exceed 35.0 tons as a group per twelve (12) consecutive month period with compliance determined at the end of each month and shall be limited to less than 25 tons as individual units per twelve (12) consecutive month period with compliance determined at the end of each month. This renders the requirements of 326 IAC 2-2 and 326 IAC 8-1-6, respectively, not applicable.

(b) Pursuant to CP067-1959-00022, the input volatile organic compounds (VOC) including flux and thinner delivered to the applicators of the two (2) wave solder machines, ID# 181019 (Plant 9, Dept. 9602) and 186604 (Plant 9, Dept. 9602) (included in the

insignificant activity list), along with one (1) conformal coater, ID# 182386 (Plant 9, Dept. 7641), listed in Section D.2 shall not exceed 19.2 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This renders the requirements of 326 IAC 8-1-6 not applicable. This condition is the same as Condition D.2.2(a).

(c) Pursuant to CP067-6272-00022 and CP067-4218-00022, the input volatile organic compounds (VOC) including flux and thinner delivered to the applicators of one (1) wave solder machine, ID# 60000984 (Dept. 7661) shall be less than 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This renders the requirements of 326 8-1-6 not applicable.

(d) Pursuant to MSM 067-17930-00061, issued on November 19, 2003, the input of volatile organic compounds (VOC), including flux and thinner delivered to the applicators of wave solder machine # 1015805 (Plant 7, Dept. 286) shall be less than 25.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(e) The input of volatile organic compounds (VOC), including flux and thinner delivered to the applicators of the five (5) soldering machines, Tech 2000 Dept. 9502 shall be less than 25.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(f) The potential to emit of VOC of the five (5) soldering machines, Tech 2000 Dept. 9502, is less than 25 tons per year per individual unit. Therefore, the requirements of 326 IAC 8-1-6 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.1.2 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.1.3 Volatile Organic Compounds (VOC)

Compliance with the VOC content and usage limitations contained in Condition D.1.1 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 flux 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.1.4 Record Keeping Requirements

(a) To document compliance with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.1.1.

(1) The throughput and VOC content of the flux;

(2) The throughput and VOC content of the thinners used; and

(3) VOC input including flux and thinner.

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

D.1.5 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1(a) through (f) 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).

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(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.

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

(a) The input of hexane to the conformal coaters and spray booths (all part of this section), the degreasers (Sections D.4), and the semiconductor manufacturing process (Section D.5), 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 (all part of this section), the degreasers (Sections D.4), and the semiconductor manufacturing process (Section D.5), 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 (all part of this section), the degreasers (Section D.4), and the semiconductor manufacturing process (Section D.5), 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.2.2 Volatile Organic Compounds (VOC)

(a) Pursuant to CP067-1959-00022, the input volatile organic compounds (VOC) including coating, dilution solvents, and cleaning solvents delivered to one (1) conformal coater, ID# 182386 (Plt. 9, Dept. 7641), along with two (2) wave solder machines, ID# 181019 and 186604, listed in Section D.1, shall not exceed 19.2 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This renders the requirements of 326 IAC 8-1-6 not applicable. This condition is the same as Condition D.1.1(b).

(b) Pursuant to CP067-6694-00022, the potential to emit VOC of the two (2) conformal coating hoods (Plt. 7, Dept. 7086) is less than 25 tons per year. Therefore the requirements of 326 IAC 8-1-6 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.

(c) Pursuant to CP067-12263-00061, the potential to emit VOC of the four (4) automated select conformal coaters (Plt. 7, Dept. 7130) is less than 25 tons per year. Therefore the requirements of 326 8-1-6 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) Pursuant to the Registration issued on February 26, 1985, the potential to emit VOC of the one (1) paint spray booth 1, ID# 153415 (Plt. 9, Dept. 962) is less than 25 tons per year. Therefore the requirements of 326 IAC 8-1-6 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.

(e) Pursuant to CP067-3097-00022, the potential to emit VOC of the one (1) paint booth to coat automotive plastic parts, ID# 165441 (Plt. 9, Dept. 964) is less than 25 tons per year. Therefore the requirements of 326 IAC 8-1-6 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.

(f) Two (2) conformal coating hoods (Plt. 7, Dept. 7086), four (4) automated select conformal coaters (Plt. 7, Dept. 7130) and one (1) conformal coater, ID# 182386 (Plt. 9, Dept. 7641) do not individually have the potential to emit greater than twenty-five (25) tons per year of VOC and individually do not have actual emissions greater than fifteen (15) pounds per day. Therefore, 326 IAC 8-2-9 (Miscellaneous Metal Coating Operation) does not apply.

Any change or modification which may increase the potential emissions of VOC to greater than 25 tons per year for each unit or increase the actual emissions of VOC to greater than fifteen (15) pounds per day for each unit must be approved by the Office of Air Quality before any such change may occur.

D.2.3 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from one (1) paint spray booth 1, ID# 153415 (Plant 9, Dept. 7641) and one (1) paint booth, ID# 165441 (Plant 9, Dept. 964) shall be controlled by a dry filter or waterwash and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.2.4 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 and any control devices.

Compliance Determination Requirements

D.2.5 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs)

Compliance with the VOC and HAP content and usage limitations contained in Conditions D.2.1 and D.2.2 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 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.2.6 Record Keeping Requirements

(a) To document compliance with Condition D.2.1, the Permittee shall maintain records of the hexane input, the single HAP input, and the combination HAP input for the conformal coaters and spray booths (all part of this section), the degreasers (Sections D.4), and the semiconductor manufacturing process (Section D.5), combined.

(b) To document compliance with Condition D.2.2(a) through (f), the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.2.1(a) through (f).

(1) The VOC content of each coating material and solvent used.

(2) The amount of coating material and solvent less water used on daily basis.

(A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

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

(4) The cleanup solvent usage for each month;

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

(6) The weight of VOC and HAP emitted for each compliance period.

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

D.2.7 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.2.1 and D.2.2(a) 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).

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(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;

SECTION D.3 FACILITY OPERATION CONDITIONS (Continued)

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

(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.

(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.3.1 Particulate Matter Limitation (PM) [326 IAC 6.5-5]

Pursuant to 326 IAC 6.5-5 (Howard County), the following boilers shall only fire natural gas:

Boiler #9, Plt. 6, ID# 16554;
Boiler #10, Plt. 6, ID# 21492;
Boiler #1E, Plt. 8, ID# 38302;
Boiler #2E, Plt. 8, ID# 13313;
Boiler #3E, Plt. 8, ID# 13312;
Boiler #1W, Plt. 8, ID# 852;
Boiler West (831), Plt. 8, ID# 17383;
Boiler #8W, Plt. 9, ID# 840;
Boiler #6W, Plt. 9, ID# 841;
Boiler #5W, Plt. 9, ID# 5569; and
Boiler #2E, Plt. 9, ID# 839.

There are no specific emissions limitations in 326 IAC 6.5-5 for any units at this source.

D.3.2 Particulate Emission Limitation (PM) [326 IAC 6-2]

(a) Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions from the boiler listed in the following table shall in no case exceed the pounds of particulate per million British thermal units heat input listed in the table.

Construction Date	Unit	Q (MMBtu/hr)	h* (ft)	N	Pt (lb/MMBtu)	Limit (lb/MMBtu)
1966	Boiler #1E, Plant 8, ID# 38302	125.2	42.25	8	0.29	0.29
1966	Boiler #2E, Plant 8, ID# 13313	125.2	42.25	8	0.29	0.29
1966	Boiler #3E, Plant 8, ID# 13312	125.2	42.25	8	0.29	0.29
1967	Boiler #1W, Plant 8, ID# 852	125.2	42.25	8	0.29	0.29
1967	Boiler #8W, Plant 9, ID# 840	125.2	42.25	8	0.29	0.29
1967	Boiler #6W, Plant 9, ID# 841	125.2	42.25	8	0.29	0.29
1967	Boiler #5W, Plant 9, ID# 5569	125.2	42.25	8	0.29	0.29
1967	Boiler #2E, Plant 9, ID# 839	125.2	42.25	8	0.29	0.29
1977	Boiler #9, Plant 6, ID# 16554	154.5	41.4	10	0.23	0.23
1977	Boiler MOS, Plant 8, ID# 15917	154.5	41.4	10	0.23	0.23
1980	Boiler West (831), Plant 8, ID# 17383	187.9	40.8	12	0.21	0.21
1980	Boiler #10, Plant 6, ID# 21492	187.9	40.8	12	0.19	0.19

This limit was calculated using the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

Where $C = 50\ u/m^3$

Pt = emission rate limit (lbs/MMBtu/hr)
Q = total source heat input capacity (MMBtu/hr)
N = number of stacks (1)
a = plume rise factor (0.67)
h = stack height (ft)

(b) Pursuant to 326 IAC 6-2-4, particulate emissions from the following units shall not exceed the following emission rates calculated with the listed source heat input capacities:

Construction Date	Unit	Q (MMBtu/hr)	Pt (lb/MMBtu)	Emission Limit (lb/MMBtu)
1984	Boiler #1, Fab III, ID# 151563	229.7	0.27	0.27
1984	Boiler #2, Fab III, ID# 151562	229.7	0.27	0.27
1990	Boiler #3E, Plant 9, ID# 181067	250.6	0.26	0.26
1992	Boiler #3, Fab III, ID# 8294003	271.5	0.25	0.25
1995	Boiler #2, Plant 10, ID# 201182	286.15	0.25	0.25

Construction Date	Unit	Q (MMBtu/hr)	Pt (lb/MMBtu)	Emission Limit (lb/MMBtu)
1996	Boiler Clayton 8W1, Plant 8	335.2	0.24	0.24
1996	Boiler Clayton 8W2, Plant 8	335.2	0.24	0.24
2001	Boiler #1, Plant 10	349.7	0.24	0.24

The emission rates were calculated using the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where Pt = emission rate limit (lbs/MMBtu/hr)
Q = total source heat input capacity (MMBtu/hr)

D.3.3 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1][326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations) the SO_2 emissions form Boiler #1, Fab III, ID# 151563 and Boiler #2, Fab III, ID# 151562 shall not exceed five-tenths (0.5) pounds per million British thermal units heat input each, when combusting distillate oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a thirty (30) day rolling weighted average. 326 IAC 7-1.1 and 326 IAC 7-2-1 are not federally enforceable.

D.3.4 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the facilities described in Condition D.3.5 except when otherwise specified in 40 CFR 60, Subpart Dc.

D.3.5 Particulate Matter Limitation [326 IAC 12-1] [40 CFR 60, Subpart Dc]

Although the boilers listed below:

Clayton 8W1, Plt. 8;
Clayton 8W2, Plt. 8;
Boiler #3E, Plt. 9, ID# 181067;
Boiler #3, Fab III, ID# 8294003;
Boiler #1, Plt. 10; and
Boiler #2, Plt. 10, ID# 201182

are subject to 40 CFR 60, Subpart Dc (Standards of Performance for Small Industrial - Commercial - Institutional Steam Generating Units), there are no additional NSPS emission limitations applicable to these boilers, only record keeping requirements described in D.3.9.

D.3.6 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.3.7 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.3.3 shall be determined utilizing one of the following options:

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million Btu heat input by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from Boiler #1, Fab III, ID #151563 and Boiler #2, Fab III, ID# 151562, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

Compliance Monitoring Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.8 Visible Emissions Notations

(a) Visible emission notations of the Boiler #1, Fab III, ID# 151563 and Boiler #2, Fab III, ID# 151562 stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere when fuel oil is burned. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.9 Record Keeping Requirements

(a) Pursuant to 40 CFR, Part 60 Subpart Dc, the owner operator of the units listed in D.3.5 shall record and maintain records of amounts of natural gas combusted during each month.

(b) To document compliance with Condition D.3.3, the Permittee shall maintain records in accordance with (1) through (5) below.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(3) Fuel supplier certifications;

(4) The name of the fuel supplier; and

(5) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all

calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(c) To document compliance with Condition D.3.8, the Permittee shall maintain records of visible emission notations of the boiler stacks exhaust once per day.

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

D.3.10 Reporting Requirements

(a) A semi-annual natural gas fired boiler certification shall be submitted to the address listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification is required for all boilers listed in this section when firing natural gas. The report submitted by the Permittee does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

(b) A quarterly summary of the information to document compliance with Condition D.3.3 in any compliance period when No. 2 fuel oil was combusted 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).

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.

(2) One (1) semi-aqueous cleaner for ceramic substrates, located in Plant 8, Dept 889, 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 the semiconductor manufacturing process (Section D.5), 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 the semiconductor manufacturing process (Section D.5), 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 the semiconductor manufacturing process (Section D.5), 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, the single HAP input, and the combination HAP input for the conformal coaters and spray booths (Section D.2), the degreasers (part of this Section), and the semiconductor manufacturing process (Section D.5), 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.

(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).

SECTION D.5 FACILITY OPERATION CONDITIONS

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

(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.

(g) One (1) automotive ignition module production line, constructed in 2006, and consisting of the following:

(1) One (1) coil potting operation, with a maximum throughput rate of 750 units per hour.

(2) One (1) dip coating operation, with a maximum throughput rate of 150 units 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.5.1 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 (Section D.4), and the semiconductor manufacturing process (part of this section), 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 (Section D.4), and the semiconductor manufacturing process (part of this section), 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 (Section D.4), and the semiconductor manufacturing process and the automotive ignition module production line (part of this section), 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.5.2 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

In order to render the requirements of 326 IAC 8-1-6 (BACT) not applicable, VOC emissions from each of the climate controlled clean rooms Fab I, Fab V, and Fab III shall be limited to less than 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

D.5.3 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the QFP plater and semiconductor manufacturing units shall not exceed the pounds per hour limitation calculated using the following equation:

Interpolation of the data for the process weight rate up to 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

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.5.4 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 and any control devices.

Compliance Determination Requirements

D.5.5 Particulate Matter

In order to comply with Condition D.5.3, the fume and wet scrubbers shall be in operation and control emissions from the facilities at all times that the facilities are in operation.

D.5.6 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs)

(a) Compliance with the VOC and HAP content and usage limitations contained in Conditions D.5.1 and D.5.2 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.

(b) To demonstrate compliance with Condition D.5.2, the Permittee shall test the VOC content in the waste stream from controlled clean rooms Fab I, III, and V each time the waste stream is shipped out. The Permittee shall determine the VOC content of the waste solvent shipped off-site pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by EPA Reference Method 24 and the sampling procedures in 326 IAC 8-1-4 or other methods as approved by the Commissioner. If a shipment consists of separate containers, the Permittee shall sample each container.

(c) Compliance with the VOC emission limit contained in Condition D.5.2 shall be determined within 30 days at the end of each month. This shall be based on the total VOC used for the previous month, minus the VOC shipped off-site, and adding it to the previous 11 months total VOC usage, minus the VOC shipped off-site, so as to arrive at VOC emissions for the most recent twelve (12) consecutive month period.

The VOC emissions for a month can be arrived at using the following equation:

$$\text{VOC emitted} = VOC_U - VOC_R$$

Where

VOC_U = The total amount of VOC, in tons, delivered to the clean room.

VOC_R = The total amount of VOC, in tons, shipped off-site.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.5.7 Parametric Monitoring

(a) The Permittee shall monitor and record the scrubber liquor pH, pressure drop, and recirculation flow rate of each of the scrubbers, at least once per week when the associated facilities are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the scrubbers is outside the following normal ranges:

Scrubber	Pressure Drop (inches of water)
Acid mixing scrubber	0.1 - 3
Fab 1 scrubber - Dept. 8026 5ID Room TRI-MER DE No. 169970	0.1 - 1.2
Fab 1 scrubber - 5ID Room (Dept. 8026) Harrington DE No. (none)	0.1 - 2.5
Fab 1 scrubber - SensorFAB (8026) Harrington DE No. 177150 (826B)	0.1 - 3
Fab 1 scrubber - Dept. 8026 SensorFAB East (VIRON) DE No. (none) (SB101A)	0.1 - 3.5
Fab 1 scrubber - Dept. 8026 SensorFAB West (VIRON) DE No. (none) (SB100A)	0.1 - 3.5
Fab V scrubber - Dept. 8327 Bump Room (VIRON) DE No. 198849 (SB104)	0.1 - 3.5
Fab V scrubber - Dept. 8327 Bump Room (Harrington) DE No. 158827	0.1 - 3
QFP scrubber	0.1 - 1.2
Fab III - Dept. 8294 SC-1 (Heil)	0.5 - 8
Fab III - Dept. 8294 SC-2 (Heil)	0.5 - 8
Fab III - Dept. 8294 SC-3 (Heil)	0.5 - 8
Fab III - Dept. 8294 SC-4 (Heil)	0.5 - 8

or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. When for any one reading, the recirculation flow rate of each of the scrubbers is outside the following normal ranges:

Scrubber	Recirculation Flow Rate (gpm)
Acid mixing scrubber	150 - 350
Fab 1 scrubber - Dept. 8026 5ID Room TRI-MER DE No. 169970	3 - 30

Fab 1 scrubber - 5ID Room (Dept. 8026) Harrington DE No. (none)	100 - 180
Fab 1 scrubber - SensorFAB (8026) Harrington DE No. 177150 (826B)	100 - 180
Fab 1 scrubber - Dept. 8026 SensorFAB East (VIRON) DE No. (none) (SB101A)	140 - 200
Fab 1 scrubber - Dept. 8026 SensorFAB West (VIRON) DE No. (none) (SB100A)	140 - 200
Fab V scrubber - Dept. 8327 Bump Room (VIRON) DE No. 198849 (SB104)	100 - 180
Fab V scrubber - Dept. 8327 Bump Room (Harrington) DE No. 158827	120 - 180
QFP scrubber	3 - 15
Fab III - Dept. 8294 SC-1 (Heil)	200 - 340
Fab III - Dept. 8294 SC-2 (Heil)	200 - 340
Fab III - Dept. 8294 SC-3 (Heil)	200 - 340
Fab III - Dept. 8294 SC-4 (Heil)	200 - 340

or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. When for any one reading, the scrubber liquor pH of each of the scrubbers is outside the pH range of 5 to 9 or a scrubber liquor pH established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure drop, recirculation flow rate, or scrubber liquor pH reading that is outside of the above mentioned ranges is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

(b) Each room shall be equipped with an alarm to indicate possible scrubber failure. In the event of an alarm, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.5.8 Record Keeping Requirements

(a) To document compliance with Condition D.5.1, the Permittee shall maintain records of the hexane input, the single HAP input, and the combination HAP input for the conformal coaters and spray booths (Section D.2), the degreasers (Section D.4), and the semiconductor manufacturing process and the automotive ignition module production line (part of this section), combined.

(b) To document compliance with Condition D.5.2, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC emission limits in Condition D.5.2.

(1) The amount and VOC content of each solvent used on a monthly basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

(2) The amount and VOC content of solvent shipped off-site each month. Records shall include weight of solvent in each shipment and VOC content test results, as necessary to verify the type and amount recycled.

(3) The VOC emissions for each month.

(4) The VOC emissions for each compliance period.

(c) In order to document compliance with Condition D.5.7, the Permittee shall maintain records of the following operational parameters for each of the scrubbers once per week during normal operation:

(1) Pressure drop;

(2) Recirculation flow rate; and

(3) Scrubber liquor pH (pH Level).

(d) The Permittee shall maintain records of any alarms that sound and the response steps taken.

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

D.5.9 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.5.1 and D.5.2 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).

SECTION D.6 FACILITY OPERATION CONDITIONS

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

(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.

(9) Three (3) low-volume wave solder machines (Vitronics Delta Wave model) (Plant 7); approved for construction in 2007; one (1) identified as MW TECH 2000-1, ID# 232607, exhausting to stack 7-U18-1; one (1) identified as MW TECH 2000-2, ID# 6035293, exhausting to stack 7-U18-2; and one (1) identified as MW TECH 2000-3, ID# 6035381, exhausting to stack 7-T18-1; with a maximum capacity of 100 boards per hour for each unit.

(10) Two (2) wave solder machines (Pillarhouse Topaz Solder Machine model) (Plant 7); approved for construction in 2007;one (1) identified as GMT900Solder-1, ID# 6035605, exhausting to stack 7-S17-2; and one (1) identified as GMT900Solder-2, ID# 603582,

exhausting to stack 7-S18-1; with a maximum capacity of 120 boards per hour for each unit.

(11) One (1) TBC wave solder machine (waterborne flux) (Plant 7), approved for construction in 2007, identified as TBC, ID# 204288, with a maximum capacity of 400 boards per hour, exhausting to stack 7-T16-1.

(12) Two (2) solvent washers (TREK Industries Inc. DCC model); approved for construction in 2007; one (1) identified as TREK 3 Washer (Plant 9), ID# 6035287, exhausting to stack 9-A18-1; and one (1) identified as TREK 4 Washer (Plant 7), ID# 211289, exhausting to stack 7-U21-1; with a maximum capacity of 75.33 gallons per year for each unit.

(13) Two (2) coaters (PVA Conformal Coater model) (Plant 7); approved for construction in 2007; one (1) identified as GMT900 Coater-1, ID# 6035513, exhausting to stack 7-S16-1; and one (1) identified as GMT900 Coater-2, ID# 6035675, exhausting to stack 7-S17-1; with a maximum capacity of 400 units per hour for each unit.

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

(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.6.1 Particulate Emission Limitation [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), the PM emissions from the Boiler TTC, ID# 9424001 shall not exceed 0.25 pounds per hour. This limit was established using the following equation:

$$Pt = \frac{1.09}{Q^{0.26}} = \frac{1.09}{(271.52)^{0.26}}$$

Where Pt = emission rate limit (lbs/MMBtu)
Q = total source heat input capacity (MMBtu/hr)
(Q = 271.52 MMBtu/hr)

D.6.2 Particulate Emission Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emissions rate from each of the trimmers, grinding and machining operations, wave solder machines, and hand brush coating stations with a process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

D.6.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations) for cold cleaning operations constructed after January 1, 1980, the owner or operator shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

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

D.6.4 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

Pursuant to 326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control) for cold cleaning operations constructed after July 1, 1990:

(a) The owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measure at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{o}C) (one hundred twenty degrees Fahrenheit (120°F):

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

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

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

(b) The owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

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

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.6.5 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the spray booths shall be controlled by dry filters, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178 ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe: Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061

☐ Natural Gas Only ☐ Alternate Fuel burned From:_____ To:_____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Signature:
Printed Name:
Title/Position:
Phone: Date:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: Boiler #1, Fab III, ID #151563
Parameter: SO_2
Limits: Less than five tenths (0.5) pounds per million BTU heat input

Month: _____ **Year:** _____

Month	Sulfur Content (%)	Heat Content	Fuel usage (gal/month)	SO_2 Emissions (lb/MMBTU)

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: Boiler #2, Fab III, ID #151562
Parameter: SO_2
Limits: Less than five tenths (0.5) pounds per million BTU heat input

Month: _____ **Year:** _____

Month	Sulfur Content (%)	Heat Content	Fuel usage (gal/month)	SO_2 Emissions (lb/MMBTU)

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: One (1) wave solder machine (ID# 184842) and one (1) selective soldering machine Electrovert Vectra model (ID# 6049081).
Parameter: The VOC input including flux and thinner delivered to the applicators
Limit: No more than 35.0 tons as a group per twelve (12) consecutive month period with compliance determined at the end of each month
Less than 25 tons as individuals per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: Two (2) wave solder machines (ID# 181019, Plant 9, Dept. 9602 and ID# 186604, Plant 9, Dept. 9602) and one (1) conformal coater (ID# 182386, Plant 9, Dept. 7641)
Parameter: The VOC input including flux and thinner delivered to the applicators
Limit: No more than 19.2 tons per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: One (1) wave solder machine (ID# 60000984, Dept. 7661)
Parameter: The VOC input including flux and thinner delivered to the applicators
Limit: Less than 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: Conformal coaters and spray booths (Section D.2), the degreasers (Section D.4), and the semiconductor manufacturing process (Section D.5), combined.
Parameter: Hexane input
Limit: Less than seven and two-tenths (7.2) tons per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: Conformal coaters and spray booths (Section D.2), the degreasers (Section D.4), and the semiconductor manufacturing process (Section D.5), combined.
Parameter: Single HAP, other than hexane, input
Limit: Less than nine and eight-tenths (9.8) tons per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: Conformal coaters and spray booths (Section D.2), the degreasers (Section D.4), and the semiconductor manufacturing process and the automotive ignition module production line (Section D.5), combined.
Parameter: Combination HAP input
Limit: Less than twenty-two (22.0) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: Clean Room Fab I
Parameter: VOC Emissions
Limit: Less than 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: Clean Room Fab III
Parameter: VOC Emissions
Limit: Less than 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: Clean Room Fab V
Parameter: VOC Emissions
Limit: Less than 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: Wave Solder Machine #1015805
Parameter: The VOC input (including flux and thinner)
Limit: Less than 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061
Facility: Tech 2000, Dept. 9502 - five (5) solder machines (ID# 211274, ID# 6040058, ID# 6033795, ID# 6044245, and ID# 6049303)
Parameter: The VOC input including flux and thinner delivered to the applicators
Limit: Less than 25.0 tons as a group per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Delphi Automotive Systems LLC
Source Address: 2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address: P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.: T067-6505-00061

Months: _____ **to** _____ **Year:** _____

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked ANo deviations occurred this reporting period@.
□ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.
□ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location

Source Name:	Delphi Automotive Systems LLC
Source Location:	2100 East Lincoln Road, Kokomo, IN 46904
County:	Howard
SIC Code:	3679, 3672, 3089, 3469, 3471, 3651, 3674, 3694
Operation Permit No.:	T 067-6505-00061
Operation Permit Issuance Date:	October 21, 2002
Minor Source Modification No.:	067-25046-00061
Minor Permit Modification No.:	067-25061-00061
Permit Reviewer:	Laura Spriggs

Source Definition

This source which produces electronic components for the automotive industry consists of three (3) plants as determined in Part 70 Operating No. 067-6505-00061, issued October 21, 2002:

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

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

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

However, these plants are located on contiguous or adjacent properties, have the same SIC codes and are under common control; therefore they will be considered one (1) source, as defined by 326 IAC 2-7-1(22).

Existing Approvals

The source was issued Part 70 Operating Permit No. 067-6505-00061 on October 21, 2002. The source has since received the following approvals:

(a) First Significant Permit Modification #067-16294-00061, issued on April 14, 2003.

(b) First Administrative Amendment #067-17300-00061, issued on September 10, 2003.

(c) First Minor Source Modification #067-17930-00061, issued on November 19, 2003.

(d) Second Minor Source Modification #067-18089-00061, issued on November 20, 2003.

(e) First Minor Permit Modification #067-17932-00061, issued on December 2, 2003.

(f) Second Minor Permit Modification #067-18036-00061, issued on December 15, 2003.

(g) Second Administrative Amendment #067-18768-00061, issued on June 22, 2004.

(h) Third Minor Source Modification #067-20445-00061, issued on March 1, 2005.

(i) Third Minor Permit Modification #067-20625-00061, issued on May 2, 2005.

(j) Fourth Minor Source Modification #067-20862-00061, issued on August 1, 2005.

(k) Second Significant Permit Modification #067-20987-00061, issued on October 18, 2005.

(l) Fifth Minor Source Modification #067-22651-00061, issued on March 2, 2006.

(m) Fourth Minor Permit Modification #067-22558-00061, issued on May 12, 2006.

(n) Third Significant Permit Modification #067-23156-00061, issued on January 10, 2007.

(o) Third Administrative Amendment #067-24169-00061, issued on January 25, 2007.

County Attainment Status

The source is located in Howard County.

Pollutant	Status
PM10	Attainment
PM2.5	Attainment
SO_2	Attainment
NO_2	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

(a) Howard County has been classified as attainment for PM2.5. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM 2.5 emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions.

(b) Volatile organic compounds (VOC) emissions 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 and NOx emissions are considered when evaluating the rule applicability relating to ozone. Howard County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

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

(d) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.

(e) Fugitive Emissions
This type of operation is not in one of the twenty-eight (28) listed source categories under 326 IAC 2-2, and there are no applicable New Source performace standards that were in effect on August 7, 1980. Therefore, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD applicability.

Source Status

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Pollutant	Emissions (tons/year)
PM	Less than 100
PM10	Less than 100
SO_2	Greater than 100 but less than 250
VOC	Greater than 250
CO	Less than 100
NO_x	Greater than 250

Note: This is from the TSD for MSM No. 067-22651-00061, issued on March 2, 2006 and was not affected by the SPM No. 067-23156-00061, issued on January 10, 2007.

This existing source is a major stationary source, under PSD (326 IAC 2-2), because at least one of the regulated pollutants is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

The table below summarizes the potential to emit HAPs for the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

HAPs	Potential To Emit (tons/year)
A single HAP	Less than 10
Total HAPs	Less than 25

This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2005 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	2.0
PM10	2.0
SO_2	0.0
VOC	63.0
CO	19.0
NO_x	22.0
HAPs	Not reported

.

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Delphi Automotive Systems LLC on July 20, 2007, relating to the addition of seven (7) wave solder machines, two (2) solvent washers and two (2) coaters at the plant. The following is a list of the proposed emission units:

(a) One (1) high-volume wave solder machine (Soltec Delta Wave model), (Plant 9), approved for construction in 2007, identified as MW TECH 2000 HV, ID# 211274, replacing Tech 2000 solder machine (ID# 208554), with a maximum capacity of 275 boards per hour, and exhausting to stack 9-Z21-2.

(b) Three (3) low-volume wave solder machines (Vitronics Delta Wave model) (Plant 7); approved for construction in 2007; one (1) identified as MW TECH 2000-1, ID# 232607, exhausting to stack 7-U18-1; one (1) identified as MW TECH 2000-2, ID# 6035293, exhausting to stack 7-U18-2; and one (1) identified as MW TECH 2000-3, ID# 6035381, exhausting to stack 7-T18-1; with a maximum capacity of 100 boards per hour for each unit.

(c) Two (2) wave solder machines (Pillarhouse Topaz Solder Machine model) (Plant 7); approved for construction in 2007;one (1) identified as GMT900Solder-1, ID# 6035605, exhausting to stack 7-S17-2; and one (1) identified as GMT900Solder-2, ID# 603582, exhausting to stack 7-S18-1; with a maximum capacity of 120 boards per hour for each unit.

(d) One (1) TBC wave solder machine (waterborne flux) (Plant 7), approved for construction in 2007, identified as TBC, ID# 204288, with a maximum capacity of 400 boards per hour, exhausting to stack 7-T16-1.

(e) Two (2) solvent washers (TREK Industries Inc. DCC model); approved for construction in 2007; one (1) identified as TREK 3 Washer (Plant 9), ID# 6035287, exhausting to stack 9-A18-1; and one (1) identified as TREK 4 Washer (Plant 7), ID# 211289, exhausting to stack 7-U21-1; with a maximum capacity of 75.33 gallons per year for each unit.

(f) Two (2) coaters (PVA Conformal Coater model) (Plant 7); approved for construction in 2007; one (1) identified as GMT900 Coater-1, ID# 6035513, exhausting to stack 7-S16-1; and one (1) identified as GMT900 Coater-2, ID# 6035675, exhausting to stack 7-S17-1; with a maximum capacity of 400 units per hour for each unit.

Enforcement Issues

There are no pending enforcement actions regarding this proposed modification.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit 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, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. 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	--
PM10	--
SO_2	--
VOC	14.19
CO	--
NO_x	--
HAPs	Negligible

This source modification is subject to 326 IAC 2-7-10.5(d)(3)(B) because the modification has a potential to emit less than twenty-five (25) tons per year and equal to or greater than ten (10) tons per year of volatile organic compounds (VOC). The emission of HAPs from this modification are negligible and the source will remain a minor source of HAPs because emissions will be less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year for any combination of HAPs. Additionally, the modification will be incorporated into the Part 70 Operating Permit through a minor permit modification pursuant to 326 IAC 2-7-12(b) because this modification meets all of the requirements of 326 IAC 2-7-12(b)(1).

Permit Level Determination – PSD or Emission Offset

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

	Potential to Emit (tons/year)						
Process/Emission Unit	**PM**	**PM10**	**SO_2**	**VOC**	**CO**	**NO_X**	**(Pb, Be, Hg)**
Wave Solder Machine (MW TECH 2000 HV, ID# 211274)	--	--	--	5.26	--	--	--
Wave Solder Machine (MW TECH 2000-1, ID# 232607)	--	--	--	1.91	--	--	--
Wave Solder Machine (MW TECH 2000-2, ID# 6035293)	--	--	--	1.91	--	--	--
Wave Solder Machine (MW TECH 2000-3, ID# 6035381)	--	--	--	1.91	--	--	--
Wave Solder Machine (GMT900Solder-1, ID# 6035605)	--	--	--	0.26	--	--	--
Wave Solder Machine (GMT900Solder-2, ID# 603582)	--	--	--	0.26	--	--	--
Wave Solder Machine (TBC, ID# 204288)	--	--	--	0.12	--	--	--
Solvent Washer (TREK 3 Washer, ID# 6035287)	--	--	--	0.40	--	--	--
Solvent Washer (TREK 4 Washer, ID# 211289)	--	--	--	0.40	--	--	--

	Potential to Emit (tons/year)						
Coater (GMT900 Coater-1, ID# 6035513)	--	--	--	0.88	--	--	--
Coater (GMT900 Coater-2, ID# 6035675)	--	--	--	0.88	--	--	--
Total for Modification	--	--	--	14.19	--	--	--
Significant Level or Major Source Threshold	25	15	40	40	100	40	NA

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

Federal Rule Applicability Determination

The following federal rules are applicable to the source due to this modification:

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

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

(c) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant; and

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

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Wave Solder Machine (MW TECH 2000 HV, ID# 211274)	None	N	5.26	5.26	100	N	N
Wave Solder Machine (MW TECH 2000-1, ID# 232607)	None	N	1.91	1.91	100	N	N
Wave Solder Machine (MW TECH 2000-2, ID# 6035293)	None	N	1.91	1.91	100	N	N
Wave Solder Machine (MW TECH 2000-3, ID# 6035381)	None	N	1.91	1.91	100	N	N

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Wave Solder Machine (GMT900Solder-1, ID# 6035605)	None	N	0.26	0.26	100	N	N
Wave Solder Machine (GMT900Solder-2, ID# 603582)	None	N	0.26	0.26	100	N	N
Wave Solder Machine (TBC, ID# 204288)	None	N	0.12	0.12	100	N	N
Solvent Washer (TREK 3 Washer, ID# 6035287)	None	N	0.40	0.40	100	N	N
Solvent Washer (TREK 4 Washer, ID# 211289)	None	N	0.40	0.40	100	N	N
Coater (GMT900 Coater-1, ID# 6035513)	None	N	0.88	0.88	100	N	N
Coater (GMT900 Coater-2, ID# 6035675)	None	N	0.88	0.88	100	N	N

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the new units as part of this modification permit

State Rule Applicability Determination

The following state rules are applicable to the source due to the modification:

326 IAC 2-2 and 2-3 (PSD and Emission Offset)
PSD and Emission Offset applicability is discussed under the Permit Level Determination - PSD and Emission Offset section.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The HAP emissions from the existing source were limited to less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs in T067-6505-00061, issued on October 21, 2002. Therefore, the existing source is a minor source for HAPs. The potential to emit HAPs from this modification is less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, the requirements of 326 IAC 2-4.1 are not applicable.

326 IAC 8-1-6 (General Reduction Requirements for VOC Emissions)
The proposed emission units in this source modification are each new facilities as of January 1, 1980 as defined in 326 IAC 1-2-45. The potential emissions are less than twenty-five (25) tons per year of VOC for each new facility. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

326 IAC 2-7 (Part 70 Permit Program)
Pursuant to 326 IAC 2-7-1(21)(A)(iv), the following units are insignificant activities because they emit less than three (3) pounds per hour or less than fifteen (15) pounds per day of VOC:

(a) Three (3) low-volume wave solder machines (Vitronics Delta Wave model) (Plant 7); approved for construction in 2007; one (1) identified as MW TECH 2000-1, ID# 232607, exhausting to stack 7-U18-1; one (1) identified as MW TECH 2000-2, ID# 6035293,

exhausting to stack 7-U18-2; and one (1) identified as MW TECH 2000-3, ID# 6035381, exhausting to stack 7-T18-1; with a maximum capacity of 100 boards per hour for each unit.

(b) Two (2) wave solder machines (Pillarhouse Topaz Solder Machine model) (Plant 7); approved for construction in 2007;one (1) identified as GMT900Solder-1, ID# 6035605, exhausting to stack 7-S17-2; and one (1) identified as GMT900Solder-2, ID# 603582, exhausting to stack 7-S18-1; with a maximum capacity of 120 boards per hour for each unit.

(c) One (1) TBC wave solder machine (waterborne flux) (Plant 7), approved for construction in 2007, identified as TBC, ID# 204288, with a maximum capacity of 400 boards per hour, exhausting to stack 7-T16-1.

(d) Two (2) solvent washers (TREK Industries Inc. DCC model); approved for construction in 2007; one (1) identified as TREK 3 Washer (Plant 9), ID# 6035287, exhausting to stack 9-A18-1; and one (1) identified as TREK 4 Washer (Plant 7), ID# 211289, exhausting to stack 7-U21-1; with a maximum capacity of 75.33 gallons per year for each unit.

(e) Two (2) coaters (PVA Conformal Coater model) (Plant 7); approved for construction in 2007; one (1) identified as GMT900 Coater-1, ID# 6035513, exhausting to stack 7-S16-1; and one (1) identified as GMT900 Coater-2, ID# 6035675, exhausting to stack 7-S17-1; with a maximum capacity of 400 units per hour for each unit.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a 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 Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in 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 compliance determination requirements applicable to this modification.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. 067-6505-00061. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

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:	3679, 3672, 3089, 3469, 3471, 3651, 3674, 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.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:

...

(5) Five (5) solder machines, identified as Tech 2000, Dept. 9502; ~~one (1) constructed in 1999, ID# 208554~~ **one (1) approved for construction in 2007, identified as MW TECH 2000 HV, ID# 211274**; one (1) constructed in 2001, ID# 6040058; one (1) constructed in 2003, ID# 6033795; one (1) constructed in 2004, ID# 6044245; and one ~~to be~~ constructed in 2005**, ID# 6049303**; with a total capacity (5 solder machines) of 1150 boards per hour, and exhausting to stacks, ~~9-A21-1~~ **9-Z21-2**, 9-Z21-1, 9-Z23-1, 9-Z22-1, and 9-A21-2 respectively;

...

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

...

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

...

(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.

(9) Three (3) low-volume wave solder machines (Vitronics Delta Wave model) (Plant 7); approved for construction in 2007; one (1) identified as MW TECH 2000-1, ID# 232607, exhausting to stack 7-U18-1; one (1) identified as MW TECH 2000-2, ID# 6035293, exhausting to stack 7-U18-2; and one (1) identified as MW TECH 2000-3, ID# 6035381, exhausting to stack 7-T18-1; with a maximum capacity of 100 boards per hour for each unit.

(10) Two (2) wave solder machines (Pillarhouse Topaz Solder Machine model) (Plant 7); approved for construction in 2007;one (1) identified as GMT900Solder-1, ID# 6035605, exhausting to stack 7-S17-2; and one (1) identified as GMT900Solder-2, ID# 603582, exhausting to stack 7-S18-1; with a maximum capacity of 120 boards per hour for each unit.

(11) One (1) TBC wave solder machine (waterborne flux) (Plant 7), approved for construction in 2007, identified as TBC, ID# 204288, with a maximum capacity of 400 boards per hour, exhausting to stack 7-T16-1.

(12) Two (2) solvent washers (TREK Industries Inc. DCC model); approved for construction in 2007; one (1) identified as TREK 3 Washer (Plant 9), ID# 6035287, exhausting to stack 9-A18-1; and one (1) identified as TREK 4 Washer (Plant 7), ID# 211289, exhausting to stack 7-U21-1; with a maximum capacity of 75.33 gallons per year for each unit.

(13) Two (2) coaters (PVA Conformal Coater model) (Plant 7); approved for construction in 2007; one (1) identified as GMT900 Coater-1, ID# 6035513, exhausting to stack 7-S16-1; and one (1) identified as GMT900 Coater-2, ID# 6035675, exhausting to stack 7-S17-1; with a maximum capacity of 400 units per hour for each unit.

...

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

...

(c) The "responsible official"~~ is defined at 326 IAC 2-7-1(34)~~ **is defined at 326 IAC 2-1.1-1(1)**.

B.9 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 no later than July 1 of each year to:

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

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.10 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

...

B.11 Emergency Provisions [326 IAC 2-7-16]

...

(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: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

(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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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).

...

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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

...

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

...

(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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

~~(d)~~ **(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.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 limitations provided in 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

...

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

...

(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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

...

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue

MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

...

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

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

...

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

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

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

...

(b) These ERPs shall be submitted for approval to:

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

within ninety (90) days after the date of issuance of this permit.

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

...

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2007 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

...

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

...

(c) If there is a reasonable possibility that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-3(ll) at an existing emissions unit, other than projects at a ~~Clean Unit~~ **source with a Plantwide Applicability Limitation (PAL)**, which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z) ~~may result in significant emissions increase~~ and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(3); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

...

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

...

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

...

(g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C-General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003

Indianapolis, Indiana 46204-2251

...

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(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 #6049081) Electrovert Vectra model; (Plant 9, Dept. 270S), constructed in 2006, with a capacity of 90 boards per hour, 0.63 pounds of flux per hour, and no thinner use, and exhausting to stack 9-F96-1;

(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) Five (5) solder machines, identified as Tech 2000, Dept. 9502; ~~one (1) constructed in 1999, ID# 208554~~ **one (1) approved for construction in 2007, identified as MW TECH 2000 HV, ID# 211274**; one (1) constructed in 2001, ID# 6040058; one (1) constructed in 2003, ID# 6033795; one (1) constructed in 2004, ID# 6044245; and one ~~to be~~ constructed in 2005**, ID# 6049303**; with a total capacity (5 solder machines) of 1150 boards per hour, and exhausting to stacks, ~~9-A21-1~~ **9-Z21-2**, 9-Z21-1, 9-Z23-1, 9-Z22-1, and 9-A21-2 respectively;

(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) Three (3) selective soldering machines, two (2) constructed in 2004, identified as Line 1(ID #6403964) exhausting to stack 7-W17-1 and Line 2(ID #6047356) exhausting to stack 7-X17-1 and one (1) constructed in 2006, identified as Line 3 (ID #764303) exhausting to stack 7-W6-1 all three (3), located at Plant 7, Department 7643, each with a maximum capacity of 500 boards per hour and a maximum flux usage of 0.44 pounds per unit.

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

Note: The condition pertaining to solder machine ID# 211274 is incorporated in D.1.1(e).

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-1-6] [326 IAC 2-2][326 IAC 2-7-10.5(d)(4)(A)]

...

(c) Pursuant to CP067-6272-00022 and CP067-4218-00022, the input volatile organic compounds (VOC) including flux and thinner delivered to the applicators of one (1) wave solder machine, ID# 60000984 (Dept. 7661) shall be ~~limited to~~ less than 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month. This renders the requirements of 326 8-1-6 not applicable.

(d) Pursuant to MSM 067-17930-00061, issued on November 19, 2003, the input of volatile organic compounds (VOC), including flux and thinner delivered to the applicators of wave solder machine # 1015805 (Plant 7, Dept. 286) shall ~~not exceed~~ **be less than** 25.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(e) The input of volatile organic compounds (VOC), including flux and thinner delivered to the applicators of the five (5) soldering machines, Tech 2000 Dept. 9502 shall ~~not exceed~~ **be less than** 25.0 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

...

Reason for revision:
D.1.1(d) and D.1.1(e) have been revised to clarify that emissions should be less than the limit.

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.

(2) One (1) semi-aqueous cleaner for ceramic substrates, located in 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.)

SECTION D.6 FACILITY OPERATION CONDITIONS

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

(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.

(9) Three (3) low-volume wave solder machines (Vitronics Delta Wave model) (Plant 7); approved for construction in 2007; one (1) identified as MW TECH 2000-1, ID# 232607, exhausting to stack 7-U18-1; one (1) identified as MW TECH 2000-2, ID# 6035293, exhausting to stack 7-U18-2; and one (1) identified as MW TECH 2000-3, ID# 6035381, exhausting to stack 7-T18-1; with a maximum capacity of 100 boards per hour for each unit.

(10) Two (2) wave solder machines (Pillarhouse Topaz Solder Machine model) (Plant 7); approved for construction in 2007;one (1) identified as GMT900Solder-1, ID# 6035605, exhausting to stack 7-S17-2; and one (1) identified as GMT900Solder-2, ID# 603582, exhausting to stack 7-S18-1; with a maximum capacity of 120 boards per hour for each unit.

(11) One (1) TBC wave solder machine (waterborne flux) (Plant 7), approved for construction in 2007, identified as TBC, ID# 204288, with a maximum capacity of 400 boards per hour, exhausting to stack 7-T16-1.

(12) Two (2) solvent washers (TREK Industries Inc. DCC model); approved for construction in 2007; one (1) identified as TREK 3 Washer (Plant 9), ID# 6035287, exhausting to stack 9-A18-1; and one (1) identified as TREK 4 Washer (Plant 7), ID# 211289, exhausting to stack 7-U21-1; with a maximum capacity of 75.33 gallons per year for each unit.

(13) Two (2) coaters (PVA Conformal Coater model) (Plant 7); approved for

construction in 2007; one (1) identified as GMT900 Coater-1, ID# 6035513, exhausting to stack 7-S16-1; and one (1) identified as GMT900 Coater-2, ID# 6035675, exhausting to stack 7-S17-1; with a maximum capacity of 400 units per hour for each unit.

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

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

…

Note: There are no changes to the exiting conditions for Section D.6.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name:	Delphi Automotive Systems LLC
Source Address:	2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address:	P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.:	T067-6505-00061
Facility:	One (1) wave solder machine (ID# 184842) and one (1) selective soldering machine Electrovert Vectra model (ID# 6049081).
Parameter:	The VOC input including flux and thinner delivered to the applicators
Limit:	No more than ~~35.4~~ **35.0** tons as a group per twelve (12) consecutive month period with compliance determined at the end of each month Less than 25 tons as individuals per twelve (12) consecutive month period with compliance determined at the end of each month

…

Reason for revision:
This limit was changed in Minor Permit Modification No. 067-22558-00061, issued May 12, 2006.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name:	Delphi Automotive Systems LLC
Source Address:	2100 East Lincoln Road, Kokomo, Indiana 46904-9005
Mailing Address:	P.O. Box 9005, Kokomo, Indiana 46904-9005
Part 70 Permit No.:	T067-6505-00061

Facility:	Tech 2000, Dept. 9502 - five (5) solder machines (~~ID# 208554~~ **ID# 211274**, ID# 6040058, ID# 6033795, ID# 6044245, and **ID# 6049303** ~~one to be constructed in 2005~~)
Parameter:	The VOC input including flux and thinner delivered to the applicators
Limit:	~~No more~~ **Less** than 25.0 tons as a group per twelve (12) consecutive month period with compliance determined at the end of each month

…

Conclusion and Recommendation

The operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 067-25046-00061 and Minor Permit Modification No. 067-25061-00061. The staff recommend to the Commissioner that this Part 70 Minor Source and Minor Permit Modification be approved.

Appendix A: Emission Calculations

Company Name: Delphi Automotive Systems LLC
Address: 2100 East Lincoln Road, Kokomo, IN 46904
MSM: 067-25046-00061
MPM: 067-25061-00061
Reviewer: Laura Spriggs
Date: July 30, 2007

Emission Unit	Density (lbs/gal)	Weight % Organics	Maximum Usage (gal/yr)	Pounds VOC per gallon of Matieral (lbs/gal)	PTE of VOC (lbs/yr)	PTE of VOC (tons/yr)	PTE of VOC (lbs/day)
2 TREK Solvent Washers							
TREK 3 (ID# 6035287)	10.63	100%	75.335	10.63	800.81	0.40	2.19
TREK 4 (ID# 211289)	10.63	100%	75.335	10.63	800.81	0.40	2.19
Pounds of VOC per Gallon of Material = Density (lbs/gal) x Weight % Organics PTE of VOC (lbs/yr) = Pounds of VOC per Gallon of Material (lbs/gal) x Max. Usage (gal/yr)							

Emission Unit	Number of Units per hour	lb Flux/Unit	lb VOC/lb Flux	PTE of VOC (lbs/hr)	PTE of VOC (lbs/yr)	PTE of VOC (tons/yr)	PTE of VOC (lbs/day)
4 TECH 2000 Wave Solder Machines and 1 TBC Wave Solder Machine							
MW TECH 2000 HV (ID# 211274)	275	0.0045	0.9697	1.20	10512.03	5.26	28.80
MW TECH 2001-1 (ID# 232607)	100	0.0045	0.9697	0.44	3822.56	1.91	10.47
MW TECH 2001-2 (ID# 6035293)	100	0.0045	0.9697	0.44	3822.56	1.91	10.47
MW TECH 2001-3 (ID# 6035381)	100	0.0045	0.9697	0.44	3822.56	1.91	10.47
PTE of VOC (lbs/hr) = Number of Units per Hour x Pounds of Flux per Unit x Pounds VOC per Pounds of Flux							

Emission Unit		Number of Boards per Hour	lb VOC/Board	PTE of VOC (lbs/hr)	PTE of VOC (lbs/yr)	PTE of VOC (tons/yr)	PTE of VOC (lbs/day)
GMT Wave Solders and Coaters							
GMT900Solder-1 (ID# 6035605)		120	0.0005	0.06	525.6	0.26	1.44
GMT900Solder-2 (ID# 603582)		120	0.0005	0.06	525.6	0.26	1.44
GMT900 Coater-1 (ID# 6035513)		400	0.0005	0.2	1752	0.88	4.80
GMT900 Coater-2 (ID# 6035675)		400	0.0005	0.2	1752	0.88	4.80
PTE of VOC (lbs/hr) = Number of Boards per Hour x Pounds of VOC per Board							

Emission Unit	Number of Units per hour	lb Flux/Unit	lb VOC/lb Flux	PTE of VOC (lbs/hr)	PTE of VOC (lbs/yr)	PTE of VOC (tons/yr)	PTE of VOC (lbs/day)
1 TBC Wave Solder Machine							
TBC (ID# 204288)	400	0.0045	0.015	0.03	236.52	0.12	0.65
PTE of VOC (lbs/hr) = Number of Units per Hour x Pounds of Flux per Unit x Pounds VOC per Pounds of Flux							

	PTE of VOC (lbs/yr)	PTE of VOC (tons/yr)
Total VOC Emissions	**28373.05**	**14.19**

* The TECH 2000 factors (both high volume and low volume) are based on historic mass balance calculations of existing TECH 2000 units at the Kokomo plant. These factors were computed by dividing the quantity of solvent lost (determined by mass balance) by actual production over than time.

* The VOC emission factors for the GMT Wave Solder Machines and GMT 900 Coaters were derived in a similar manner at the Delphi facility in Milwaukee, WI. The GMT units that will be installed at the Delphi Kokomo plant are being moved from the Milwaukee plant.