INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: January 7, 2008

RE: Honeywell International, Inc. / 141-25628-00172

FROM: Matthew Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision – Approval

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

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot12/3/07

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Indianapolis, Indiana 46204-2251
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(800) 451-6027
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Mr. Eric Kloss
Honeywell International Inc.
3520 Westmoor Street
South Bend, IN 46628

January 7, 2008

Re: 141-25628-00172
First Administrative Amendment to
Part 70 T141-7442-00172

Dear Mr. Kloss:

Honeywell International Inc. was issued a permit on April 13, 2004 for a stationary aircraft landing systems manufacturing operation. A letter requesting a change was received on December 10, 2007. Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows:

(1) Char Furnace 5 was permanently removed from the source. The Part 70 Operating Permit has been modified to reflect the removal of this unit as follows:

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

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

(a) ~~Two (2)~~ **One (1)** electric Char Furnace~~s~~, **identified as No. 6, approved for constructed in 1990,** with a maximum capacity of 137.5 tons of disks per year ~~each~~, with volatile organic compound emissions controlled by a thermal oxidizer, and exhausting through stack 427. ~~Construction dates are as follows: Nos. 5 and 6, 1988-1989.~~

...

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) ~~Two (2)~~ **One (1)** electric Char Furnace~~s~~, **identified as No. 6, approved for constructed in 1990,** with a maximum capacity of 137.5 tons of disks per year ~~each~~, with volatile organic compound emissions controlled by a thermal oxidizer, and exhausting through stack 427. ~~Construction dates are as follows: Nos. 5 and 6, 1988-1989.~~

...

D.1.4 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]

By December 31, 2007, the Permittee shall conduct a performance test of each of the three (3) thermal oxidizers controlling char furnaces ~~1-6~~ **1, 2, 3, 4, and 6** to verify compliance with Condition D.1.1(a) and (b). At least one (1) thermal oxidizer shall be tested during 2006. The test method shall utilize methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

(2) The OAQ decided to delete the name and/or title of the Responsible Official (RO) in Section A.1, General Information, of the permit. However, OAQ will still be evaluating if a change in RO meets the criteria specified in 326 IAC 2-7-1(34). The revised permit condition is as follows:

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

The Permittee owns and operates a stationary aircraft landing systems manufacturing operation.

~~Responsible Official:~~	~~Director, Integrated Supply Chain~~
Source Address:	3520 Westmoor Street, South Bend, Indiana 46628
Mailing Address:	3520 Westmoor Street, South Bend, Indiana 46628
General Source Phone Number:	(574) 231-2302
SIC Code:	3724, 3728
County Location:	St. Joseph
Source Location Status:	Nonattainment for Ozone based on the 8-hour standard Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD and Emission Offset Minor Source, Section 112 of the Clean Air Act

(3) All references to IDEM, OAQ's mailing address have been revised as follows:

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

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

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

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

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

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

(4) A spelling error has been found and corrected in Condition C.14 - Actions Related to Noncompliance Demonstrated by a Stack Test.

C.14 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).

(5) Per request of the Permittee, the first paragraph of the Semi-Annual Deviation and Compliance Monitoring Report has been corrected as follows:

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

PART 70 OPERATING PERMIT
SEMI-ANNUAL DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name:	Honeywell International, Inc.
Source Address:	3520 Westmoor Street, South Bend, Indiana 46628
Mailing Address:	3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.:	T141-7442-00172

Months: _____ to _____ Year: _____

This report shall be submitted ~~quarterly~~ **semi-annually** 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 "No deviations occurred this reporting period".

...

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire Part 70 Operating Permit as modified.

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 Kristen Layton, at (800) 451-6027, and ask for Kristen Layton or extension 3-3031, or dial (317) 233-3031.

Sincerely,

Original signed by
Donald F. Robin, P.E., Section Chief
Permits Branch
Office of Air Quality

Attachments
KRL
cc: File - St. Joseph County
U.S. EPA, Region V
St. Joseph County Health Department
Northern Regional Office
Air Compliance Section Inspector
Compliance Data Section
Administrative and Development

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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Honeywell International, Inc.
3520 Westmoor Street
South Bend, Indiana 46628

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. **This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.**

Operation Permit No.: T141-7442-00172	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: April 13, 2004 Expiration Date: April 13, 2009

First Significant Permit Modification No.: 141-22380-00172, issued on May 10, 2006
First Minor Permit Modification No.: 141-23848-00172, issued March 12, 2007

First Administrative Amendment No.: 141-25628-00172	
Issued by: *Original signed by* Donald F. Robin, P.E., Section Chief Permits Branch Office of Air Quality	Issuance Date: January 7, 2008 Expiration Date: April 13, 2009

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

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

The Permittee owns and operates a stationary aircraft landing systems manufacturing operation.

Source Address:	3520 Westmoor Street, South Bend, Indiana 46628
Mailing Address:	3520 Westmoor Street, South Bend, Indiana 46628
General Source Phone Number:	(574) 231-2302
SIC Code:	3724, 3728
County Location:	St. Joseph
Source Location Status:	Nonattainment for Ozone based on the 8-hour standard Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD and Emission Offset Minor Source, Section 112 of the Clean Air Act

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

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

(a) One (1) electric Char Furnace, identified as No. 6, approved for constructed in 1990, with a maximum capacity of 137.5 tons of disks per year, with volatile organic compound emissions controlled by a thermal oxidizer, and exhausting through stack 427.

(b) Four (4) electric Char Furnaces, with a maximum capacity of 137.5 tons of disks per year each, with volatile organic compound emissions controlled by thermal oxidizers. Char furnaces 1 and 2 are controlled by one (1) thermal oxidizer and exhausting through stack 411. Char furnaces 3 and 4 are controlled by one (1) thermal oxidizer and exhausting through stack 407. Construction dates are as follows: No. 1, 1989; No. 2, 1985; No. 3, 1986; and No. 4, 1987.

(c) One (1) Chemical Vapor Deposition (CVD) unit, also known as carbon vapor deposition unit, identified as CVD-1, constructed in 1978, having an estimated batch capacity of 2400 pounds (initial weight) of brakes and a nominal total reactant gas flow rate of 360 scf per soak hour. One (1) enclosed flare, controlling the soak phase VOC emissions from CVD-1, with a rated capacity of 0.9 MMBtu per hour, natural gas combustion, and exhausting through stack S-FL-1.

(d) Twenty-four (24) Chemical Vapor Deposition (CVD) units, also known as carbon vapor deposition units, identified as CVD-2 through CVD-25, with each unit having an estimated batch capacity of 8800 pounds (initial weight) of brakes for random fiber process or 5300 pounds (initial weight) of brakes for non-woven process. Each CVD has a nominal total reactant gas flow of 2000 scf per soak hour for random fiber process or a nominal total reactant gas flow of 4200 scf per soak hour for non-woven fiber process. Construction dates are as follows: CVD 2, 1978; CVD 3, 1985; CVD 4, 1988; CVD 5, 1989; CVDs 6 and 7, 1990; CVDs 8 and 9, 1991; CVDs 10 and 11, 1992; CVDs 12 and 13, 1993; CVDs 14 through 21, 1995-2000; CVDs 22 and 23, 2000; CVDs 24 and 25, (to be constructed in 2006 or 2007). Twenty-four (24) enclosed flares, controlling the soak phase VOC emissions from CVD units 2-25, each having a rated capacity of 5.5 MMBtu per hour,

natural gas combustion, and exhausting through stacks S-FL-2 through S-FL-25, respectively.

(e) One (1) Chrome Anodizing Tank, identified as 18, with a wetting agent in the tank to control emissions.

A.3 Specifically Regulated Insignificant Activities and Trivial 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) Two (2) Binks Paint Booths, installed in 1998, using HVLP spray guns, 3-stage HEPA filters and an electric powered IR curing oven. [40 CFR 63, Subpart GG] [326 IAC 6.5-1]

(b) Space heaters, process heaters, or boilers using the following fuels:

Five (5) natural gas-fired boilers with a total heat input capacity of 10.5 MMBtu/hr. Three (3) boilers constructed in 1986, identified as: Plants 12W, 4W and 4E, exhausting to stacks 226, 484 and 485, respectively. Two (2) boilers constructed in 1991, identified as Plants 4BS and 4BN, both exhausting to stack BS-1. [326 IAC 6.5-1]

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

(d) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors or 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 6.5-1]

(1) Two (2) Re-circulating Blast Units, with a capacity of 2500 pounds per hour of blast media, controlled by two (2) dust collectors, and vented inside the building.

(2) Grinding and sanding operations controlled by various fabric filter systems.

(e) The following emission units or activities with a potential uncontrolled emission rate for particulate matter with an aerometric diameter less than or equal to ten (10) microns (PM10) of less than or equal to five (5) pounds per hour or twenty-five (25) pounds per day. [326 IAC 2-7-1(21)(B)] [326 IAC 6.5-1]

(1) One (1) Empire Blaster, with a capacity of 10 pounds per hour, controlled by a dust collector, and venting inside the building.

(2) One (1) die cutter operation, identified as DCR, with a maximum capacity of 60 pounds per hour, installed in 1991. The die cutter machine is controlled by a fabric filter dust collector, identified as DC-1, and exhausts through stack S-1.

(3) Four (4) Needle Machines, identified as NM-3, NM-4, NM-5, and NM-6. NM-3 and NM-4 were constructed in 1998. NM-5 and NM-6 were constructed in 2002. Each machine has a capacity of 15 pounds per hour and all four (4) machines are controlled by a fabric filter dust collector, identified as DC-3, and exhausting within the building.

(4) Two (2) Auto Pre-form Machines, identified as APM-1 and APM-2, each with a maximum capacity of 54 pounds per hour. APM-2 was constructed in 1990 and

is controlled by a fabric filter dust collector, identified as DC-4, and exhausting through stack S-4.

(5) One (1) El Dynamometer, identified as EID, installed in 1989, controlled by two (2) fabric filter dust collectors, identified as DC-305 and DC-307, and exhausting through stacks S-305 and S-307.

(6) Six (6) Burr Benches each controlled by a dust collector, and venting inside the building.

(7) One (1) Mattison Grinder with a capacity of 230 pounds per hour controlled by a dust collector, and venting inside the building.

(8) One (1) Little Blaster with a maximum capacity of 20 pounds per hour, controlled by a dust collector venting inside the building.

(9) One (1) Brake Test Dynamometer cell controlled by two (2) dust collectors vented to the outside.

(10) One (1) Wheelabrator operation with a maximum throughput less than 100 pounds per hour of plastic media blast, controlled by a rotoclone, and exhausting outside the building.

(11) One (1) Blast Works unit controlled by a dust collector vented inside the building.

(12) One (1) Thumbl Blast unit controlled by a dust collector venting inside the building.

(f) Trivial Activities: Activities related to routine fabrication, maintenance and repair of buildings, structures, equipment, or vehicles at the source where air emissions from those activities would not be associated with any commercial production process, including the following: Brazing, soldering and welding operations and associated equipment. [326 IAC 6.5-1]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

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

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

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, T141-7442-00172, 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 a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

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

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

B.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 or the effective date for the permit terms, whichever is later, through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 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.

(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 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, and the Northern Regional Office, 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
Northern Regional Office
Telephone Number 1-800-753-5519
Facsimile Number (574) 245-4877

(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 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 in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a deter-

mination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, as well as the federal statutes from the Clean Air Act and the federal rules from 40 CFR, 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) In addition to the nonapplicability determinations set forth in Section D of this permit, the IDEM, OAQ has made the following determination regarding this source:

(1) 40 CFR 63.460, Subpart T - Standards for Halogenated Solvent Cleaning
The degreasing operations are not subject to this rule because there are no halogenated solvents in a total concentration greater than five percent (5%) by weight, as a cleaning and/or drying agent.

(2) 40 CFR 63, Subpart MMMM - Standards for Surface Coating of Miscellaneous Metal Parts and Products
This source is not subject to this rule because the surface coating of metal components of aerospace vehicles meet the applicability criteria for Aerospace Manufacturing and Rework (40 CFR 63, Subpart GG).

(3) 40 CFR 63, Subpart GGGGG - Standards for Site Remediation
This rule is not applicable because the source is taking limits to be a minor source of hazardous air pollutants (HAPs) (less than twenty-five (25) tons per year of combined HAP emissions and less than ten (10) tons per year of single HAP emissions.

(4) 40 CFR 60.40c, Subpart Dc - Standards of Performance of Small Industrial Commercial-Institutional Steam Generating Units:
The five (5) natural gas-fired boilers, identified as Plants 12W, 4W, 4E, 4BS and 4BN, are not subject to the New Source Performance Standard, 326 IAC 12 (40 CFR 60.40c, Subpart Dc). The three (3) natural gas-fired boilers, identified as Plants 12W, 4W and 4E, were constructed prior to the June 9, 1989 applicability date and they are rated at less than ten (10) MMBtu/hr. The two (2) natural gas-fired boilers, identified as Plants 4BS and 4BN, were constructed after the June 9, 1989 applicability date but they are rated at less than ten (10) MMBtu/hr. Therefore, 40 CFR 60.40c, Subpart Dc does not apply.

(5) 326 IAC 2-2 (Prevention of Significant Deterioration (PSD))
This source is an existing minor source, it was constructed prior to 1986 and it is not one of the 28 listed source categories, therefore, 326 IAC 2-2 is not applicable. See the following Conditions of this permit: D.1.1; D.2.1; D.2.2; D.2.3; D.4.7; D.4.8; D.4.10; D.4.13, D.5.2; D.5.4; D.6.1 and D.6.3.

(6) 326 IAC 2-4.1-1 (New Source Toxics Control)

(A) Each CVD unit (1-25) is independently distinguishable from the other units as a “process or production unit” as defined in 40 CFR 63.41 (incorporated by reference in 326 IAC 2-4.1). The potential to emit (PTE) of combined hazardous air pollutants (HAPs) for each CVD unit (1-25) is less than twenty-five (25) tons per year each and the potential to emit (PTE) of any single hazardous air pollutants (HAPs) for each CVD unit

(1-25) is less than ten (10) tons per year each. In addition, most of these CVDs were constructed prior to the July 1997 applicable date. Therefore, the requirements of this rule do not apply.

(B) There are no other new facilities with potential emissions greater than major thresholds for HAPs (ten (10) tons per year for a single HAP and twenty-five (25) tons per year for combination HAPs) and constructed after July 27, 1997. Therefore, the requirements of this rule do not apply.

(7) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)This rule applies to the portion of St. Joseph County north of Kern Road and east of Pine Road, however the source does not have potential fugitive particulate matter emissions of twenty-five (25) tons per year or more. Therefore, 326 IAC 6-5-1 (Fugitive Particulate Matter Emission Limitations) is not applicable.

(8) 326 IAC 7-1.1-1 (Sulfur Dioxide Emission Limitations)

(A) This rule is not applicable to the six (6) char furnaces because the potential to emit (PTE) SO2 is less than twenty-five (25) tons per year.

(B) This rule is not applicable to the five (5) natural gas-fired boilers because the potential to emit (PTE) SO2 is less than twenty-five (25) tons per year per boiler.

(9) 326 IAC 8-2-9 (Miscellaneous Metal Coating)
The surface coating operations are used solely for the painting of exterior components of airplanes and are not subject to the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating).

(10) 326 IAC 8-3-2 (Cold Cleaner Operation)
The degreaser is located in St. Joseph county and it is at a source which has potential emissions of one hundred (100) tons or greater per year of VOC, however, it was constructed after January 1, 1980, which is the applicability date. Therefore, 326 IAC 8-3-2 (Cold Cleaner Operation) is not applicable.

(11) The combination of Conditions D.1.1, D.2.1 and D.2.2 plus the potential to emit (PTE) of all other HAP emitting facilities yields single HAPs to less than ten (10) tons per year and combination of HAPs to less than twenty-five (25) tons per year.

(c) 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.

(d) 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.

(e) 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.

(f) 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).

(g) 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)]

(h) 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 T141-7442-00172 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated or as in effect at the issuance of this permit,

(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 permit. The existing approvals superseded by this permit are as follows:

(1) CP (71) 1860, OP 3700-00005, issued on July 23, 1990;

(2) R 141-4397-00005, issued on April 20, 1995;

(3) CP 141-7277-00005, issued on March 26, 1997;

(4) CP 141-8117-00005, issued on May 20, 1997;

(5) CP 141-8761-00005, issued on July 2, 1998;

(6) A 141-10094-00172, issued on September 22, 1998;

(7) CP 141-9999-00172, issued on December 14, 1998;

(8) SSM 141-10759-00172, issued on October 19, 1999 (superseded with certain terms stayed as of the effective date of this permit);

(9) 141-11205-00172, issued on October 20, 1999 (superseded with certain terms stayed as of the effective date of this permit);

(10) SSM 141-11511-00172, issued on March 8, 2000 (superseded with certain terms stayed as of the effective date of this permit);

(11) AA 141-12090-00172, issued on July 21, 2000;

(12) SSM 141-12169-00172, issued on October 6, 2000;

(13) SSM 141-13853-00172, issued on September 7, 2001 (superseded with certain terms stayed as of the effective date of this permit); and

(14) EX 141-16729-00172, issued on November 22, 2002.

In addition, the existing registrations issued by the St. Joseph County Health Department, which are superseded by the permit, are as follows:

(1) B-3-4-13, issued on the following dates: November 25, 1988, November 25, 1990, November 25, 1992, November 25, 1994, November 25, 1996 and November 25, 1998.

(2) B-3-4-30, issued on the following dates: November 25, 1990, November 25, 1992, November 25, 1994, November 25, 1996 and November 25, 1998.

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 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

(1) That this permit contains a material mistake.

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

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

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

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

B.17 Permit Renewal [326 IAC 2-7-4][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 the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

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

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 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 thirty percent (30%) 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.2 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.3 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.4 Fugitive Dust Emissions [326 IAC 6-4]

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

C.5 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.6 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.7 Performance Testing [326 IAC 3-6]

(a) All testing required pursuant to the conditions of this permit 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 for such required testing, 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) For such required testing, 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 reports for testing required by this permit 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.8 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. Such 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.9 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.10 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.

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

C.11 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 prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on December 10, 1996.

(b) 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.12 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.13 Compliance Response Plan – Preparation, Implementation, Records and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition set forth in Section D of this permit, except that no CRP is required for any compliance monitoring condition subject to 40 CFR 63, Subpart N (Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks) and 40 CFR 63, Subpart GG (Aerospace Manufacturing and Rework Facilities) (hereinafter "CRP requirements"). A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

(1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.

(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.

(b) For each compliance monitoring condition of this permit subject to this CRP Requirement, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or

(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such

additional response steps shall not be considered a deviation from, or a violation of, this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

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

(c) For each compliance monitoring condition of this permit subject to this CRP Requirement, the Permittee is not required to take any further response steps for any of the following reasons:

(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.

(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.

(3) An automatic measurement was taken when the process was not operating.

(4) The process has already returned or is returning to operating within “normal” parameters and no response steps are required.

(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B – Deviations from Permit Requirements and Conditions.

(e) For each compliance monitoring condition of this permit subject to this CRP Requirement, the Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.14 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 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.15 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 2004 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.16 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.17 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. Each deviation from permit requirements, the date(s) of each deviation, the probable 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.

Stratospheric Ozone Protection

C.18 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)]: Electric Furnaces

(a) One (1) electric Char Furnace~~s~~, identified as No. 6, approved for constructed in 1990, with a maximum capacity of 137.5 tons of disks per year, with volatile organic compound emissions controlled by a thermal oxidizer, and exhausting through stack 427.

(b) Four (4) electric Char Furnaces, with a maximum capacity of 137.5 tons of disks per year each, with volatile organic compound emissions controlled by thermal oxidizers. Char furnaces 1 and 2 are controlled by one (1) thermal oxidizer and exhausting through stack 411. Char furnaces 3 and 4 are controlled by one (1) thermal oxidizer and exhausting through stack 407. Construction dates are as follows: No. 1, 1989; No. 2, 1985; No. 3, 1986; and No. 4, 1987.

(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 VOC and HAP Limits [326 IAC 8-1-6] [326 IAC 2-3]

(a) VOC emissions from each thermal oxidizer shall not exceed 1.2 pounds per hour.

(b) HAP emissions from each thermal oxidizer shall not exceed 0.4 pounds per hour.

D.1.2 Particulate Matter (PM) [326 IAC 6.5-1]

Pursuant to 326 IAC 6.5-1(formerly 326 IAC 6-1) (Nonattainment Area Particulate Limitations), the particulate matter (PM) from each of the electric Char Furnaces shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).

D.1.3 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 the thermal oxidizers.

Compliance Determination Requirements

D.1.4 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]

By December 31, 2007, the Permittee shall conduct a performance test of each of the three (3) thermal oxidizers controlling char furnaces 1, 2, 3, 4, and 6 to verify compliance with Condition D.1.1(a) and (b). At least one (1) thermal oxidizer shall be tested during 2006. The test method shall utilize methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.5 Volatile Organic Compounds (VOC)

The Permittee shall operate the thermal oxidizers at all times that process related emissions are being vented from the char furnaces to the thermal oxidizers in order to achieve compliance with Condition D.1.1(a) and (b). In addition, the char furnaces shall be closed during operation and not re-opened until the batch cycle is complete in order to ensure one hundred percent (100%) capture.

Compliance Monitoring Requirements

D.1.6 Thermal Oxidizer Temperature

(a) A continuous monitoring system shall be operated on the three (3) thermal oxidizers for measuring operating temperature. The temperature monitoring system shall be operated when the oxidizers are operating and the output of this system shall be recorded as a rolling three (3) hour average. From the date of issuance of this permit until at least forty-five (45) days following the Permittee's formal submittal of the approved stack test results to IDEM, OAQ in accordance with 326 IAC 3-6-4, the Permittee shall operate the thermal oxidizer at or above the three (3) hour average temperature of 1800°F; or, if the three (3) hour average temperature drops below 1800°F, the Permittee shall take response steps in accordance with Section C – Compliance Response Plan – Preparation, Implementation, Records and Reports. Failure to take response steps in accordance with Section C - Compliance Response Plan – Preparation, Implementation, Records and Reports shall be considered a deviation from this permit.

(b) The Permittee shall determine the three (3) hour average temperature from the most recent valid approved stack test that demonstrates compliance with limits in Condition D.1.1.

(c) On and after the forty-fifth (45) day following the Permittee's formal submittal to IDEM, OAQ of the results from the approved stack test, the Permittee shall operate the thermal oxidizer at or above the three (3) hour average temperature as observed during the most recent compliant stack test; or, if the three (3) hour average temperature drops below that temperature observed during the compliant stack test, the Permittee shall take response steps in accordance with Section C – Compliance Response Plan – Preparation, Implementation, Records and Reports.

(d) The instrument employed to measure temperature shall be calibrated and maintained and have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.

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

D.1.7 Record Keeping Requirements

To document compliance with Condition D.1.1, the Permittee shall maintain continuous temperature records (on a three (3) hour rolling average basis) for the three (3) thermal oxidizers and the rolling three (3) hour average temperature used to demonstrate compliance during the most recent compliance stack test.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: CVD Units (1-25)

(a) One (1) Chemical Vapor Deposition (CVD) unit, also known as carbon vapor deposition unit, identified as CVD-1, Constructed in 1978, having an estimated batch capacity of 2400 pounds (initial weight) of brakes and a nominal total reactant gas flow rate of 360 scf per soak hour.

One (1) enclosed flare, controlling the soak phase VOC emissions from CVD-1, with a rated capacity of 0.9 MMBtu per hour, natural gas combustion, and exhausting through stack S-FL-1.

(b) Twenty-four (24) Chemical Vapor Deposition (CVD) units, also known as carbon vapor deposition units, identified as CVD-2 through CVD-25, with each unit having an estimated batch capacity of 8800 pounds (initial weight) of brakes for random fiber process or 5300 pounds (initial weight) of brakes for non-woven process. Each CVD has a nominal total reactant gas flow of 2000 scf per soak hour for random fiber process or a nominal total reactant gas flow of 4200 scf per soak hour for non-woven fiber process. Construction dates are as follows: CVD 2, 1978; CVD 3, 1985; CVD 4, 1988; CVD 5, 1989; CVDs 6 and 7, 1990; CVDs 8 and 9, 1991; CVDs 10 and 11, 1992; CVDs 12 and 13, 1993; CVDs 14 through 21, 1995-2000; CVDs 22 and 23, 2000; CVDs 24 and 25, (to be constructed in 2006 or 2007). Twenty-four (24) enclosed flares, controlling the soak phase VOC emissions from CVD units 2-25, each having a rated capacity of 5.5 MMBtu per hour, natural gas combustion, and exhausting through stacks S-FL-2 through S-FL-25, respectively.

(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 BACT Condition [326 IAC 8-1-6] [326 IAC 2-3]

Pursuant to CP 141-9999-00172, issued on December 14, 1998, SSM 141-11205-00172, issued on October 20, 1999, SSM 141-10759-00172, issued on October 20, 1999, and SSM 141-13853-00172, issued on September 7, 2001, enclosed flares have been accepted as BACT for control of the VOC emissions from CVD units 1-21 and shall achieve an overall control efficiency of 98% with a maximum VOC emission rate of 0.23 pounds of VOC per million British thermal units (MMBtu) of process gas combusted by the flares. Compliance with these requirements renders 326 IAC 2-3 (Emission Offset) not applicable for CVDs 1-21.

D.2.2 BACT Condition [326 IAC 8-1-6] [326 IAC 2-3]

(a) Pursuant to SSM 141-11511-00172, issued on March 8, 2000, an enclosed flare has been accepted as BACT for control of the VOC emissions from the CVD units 22-23 and shall achieve an overall destruction efficiency of ninety-eight percent (98%).

(b) Pursuant to 326 IAC 8-1-6, BACT for the two (2) CVD units to be constructed in 2006 or 2007, CVD-24 and CVD-25, has been determined to be the use of an enclosed flare at an overall control efficiency of no less than ninety-eight percent (98%).

(c) The VOC emission rate from each of the two (2) CVD units to be constructed in 2006 or 2007, CVD-24 and CVD-25, shall be limited to 0.343 pounds per hour, including combustion emissions from the flare. Therefore, the requirements of 326 IAC 2-3, Emission Offset, are not applicable.

D.2.3 PSD Minor Limit [326 IAC 2-2]

Pursuant to SSM 141-13853-00172, issued on September 7, 2001, the carbon monoxide emissions from the enclosed flares for CVD units 1 through 21, shall be limited to 1.62 pounds

per hour, each, based on the CVDs estimated soak phase operations per year for the non-woven process, totaling 121,800 soak hours per year for the non-woven process in CVDs 1-21. Therefore, the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) does not apply to CVDs 1-21.

D.2.4 Particulate Matter (PM) [326 IAC 6.5-1]

Pursuant to 326 IAC 6.5-1(formerly 326 IAC 6-1) (Nonattainment Area Particulate Limitations), the particulate matter (PM) from each of the CVD units shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).

D.2.5 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 flares on the CVDs.

Compliance Determination Requirements

D.2.6 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

(a) Within one hundred eighty (180) days after issuance of T 141-7442-00172, in order to demonstrate compliance with Conditions D.2.1 and D.2.2, the Permittee shall perform a compliance stack test on five (5) of the CVD unit flares for overall control efficiency utilizing methods as approved by the Commissioner. A total of five (5) of the twenty-five (25) CVD units shall be tested at least once every five years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Condition C - Performance Testing.

(b) Within ninety (90) days of start-up of CVD-24 or CVD-25, whichever occurs first, in order to demonstrate compliance with Condition D.2.2(b), the Permittee shall perform a compliance stack test on one (1) of the CVD unit flares, controlling CVD-24 or CVD-25, for overall control efficiency utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Condition C - Performance Testing.

D.2.7 VOC Compliance Determination

(a) All exhaust process gas from the soak phase of each CVD unit's batch cycle shall be directed through the enclosed flares for VOC control.

(b) Each enclosed flare shall operate at all times that the corresponding CVD unit is operating in the soak phase.

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

D.2.8 Monitoring

(a) For Conditions D.2.1 and D.2.2:

(1) A thermocouple, UV flame detector or equivalent device shall be installed and operated to monitor the presence of a pilot flame for each flare and to sound an alarm when the pilot flame is not detected during the soak phase of the CVD.

(2) A continuous monitoring system shall be operated on each flare for measuring operating temperature whenever the CVD is in the soak phase. The output of this system shall be recorded as a three (3) hour rolling average. The Permittee shall take appropriate response steps in accordance with Section C – Compliance Response Plan – Preparation, Implementation, Records and Reports whenever the three (3) hour rolling average temperature of any flare is below the determined temperature for compliance monitoring; initially determined to be one thousand degrees Celsius (1000°C). A three (3) hour rolling average

temperature that is below such determined temperature is not a deviation from this permit. Failure to take response steps in accordance with Section C – Compliance Response Plan – Preparation, Implementation, Records and Reports shall be considered a deviation from this permit. In the event that a breakdown of the monitoring equipment occurs, the Permittee shall supplement monitoring with visual checks once per hour to ensure that a flame is present.

(3) The Permittee shall determine the three (3) hour average temperature for compliance monitoring from the most recent valid approved stack test that demonstrates compliance with limits in Conditions D.2.1 and D.2.2.

(4) On and after the forty-fifth (45) day following the Permittee's formal submittal to IDEM, OAQ of the results from an approved stack test, the Permittee shall operate each flare at or above the three (3) hour average temperature as observed during such compliant stack test, or otherwise in accordance with Section C – Compliance Response Plan – Preparation, Implementation, Records and Reports.

(5) Each enclosed flare shall have a pilot flame present and be operating at all times that its respective CVD unit is operating in the soak phase and has VOC emissions resulting from the soak phase.

The absence of a pilot flame during the soak phase of a CVD unit or the failure to direct all exhaust process gas from the soak phase of a CVD unit through an enclosed flare shall not be a deviation from this permit provided the Permittee takes reasonable response steps in accordance with Condition C.13 – Compliance Response Plan – Preparation, Implementation, Records and Reports whenever a pilot flame is not detected, a valve malfunction, high exhaust gas pressure is detected, the flare velocity seal is not detected, the flare temperature is too high or too low or other conditions cause potential safety risks.

(b) The instrument employed to measure temperature shall be calibrated and maintained and have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.

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

D.2.9 Record Keeping Requirements

(a) To document compliance with Condition D.2.8, the Permittee shall maintain flare temperature data for CVD units operating during the soak phase.

(b) To document compliance with Condition D.2.3, the Permittee shall record the hours per month of soak phase operation.

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(a) One (1) Chrome Anodizing Tank, identified as 18 , with a wetting agent in the tank to control emissions.

(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 General Provisions Relating to HAPs [326 IAC 20-1-1] [40 CFR Part 63, Subpart A, Table 1] [40 CFR 63.340(b)]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1-1, apply to tank 18 according to the applicability of Subpart A to tank 18, as identified in 40 CFR 63, Subpart N, Table 1.

D.3.2 Chromium Electroplating and Anodizing NESHAP [326 IAC 20-8-1] [40 CFR Part 63, Subpart N]

The provisions of 40 CFR Part 63, Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks, which are incorporated by reference as 326 IAC 20-8-1, apply to tank 18.

D.3.3 Chromium Emissions Limitation [40 CFR 63.342(a), (b)(1), and (d)(2)] [40 CFR 63.343(a)(1)&(2)] [326 IAC 20-8-1]

(a) The emission limitations in this condition apply only during tank operation as defined in 40 CFR 63.341, and also apply during periods of startup and shutdown as these are routine occurrences for tanks subject to 326 IAC 20-8-1. The emission limitations do not apply during periods of malfunction.

(b) During tank operation, the Permittee shall control chromium emissions discharged to the atmosphere from tank 18 by:

(1) not allowing the surface tension of the anodizing bath contained within the tank to exceed forty-five dynes per centimeter (45 dynes/cm) [equivalent to three and one-tenth times ten raised to the power of negative three pound-force per foot (3.1×10^{-3} lb_f/ft)] as measured by a stalagmometer or thirty-five dynes per centimeter (35 dynes/cm) (2.4×10^{-3} lb_f/ft) as measured by a tensiometer at any time during operation of tank 18.

D.3.4 Particulate Matter (PM) [326 IAC 6.5-1]

Pursuant to 326 IAC 6.5-1(formerly 326 IAC 6-1) (Nonattainment Area Particulate Limitations), the particulate matter (PM) from the one (1) Chrome Anodizing Tank, identified as 18, shall not exceed seven-hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) grain per dry standard cubic foot (dscf)).

D.3.5 Work Practice Standards [40 CFR 63.342(f)(1) and (f)(2)] [326 IAC 20-8-1]

The following work practice standards apply to tank 18.

(a) At all times, including periods of startup, shutdown, and malfunction, the Permittee shall operate and maintain tank 18, including the wetting agent and monitoring equipment, in a manner consistent with good air pollution control practices, consistent with the Operation and Maintenance Plan (OMP) required by Condition D.3.6.

(b) Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the OMP required by Condition D.3.6.

(c) These operation and maintenance requirements established pursuant to Section 112 of the CAA are enforceable independent of emissions limitations or other requirements in this section.

(d) Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to IDEM, OAQ, which may include, but is not limited to; monitoring results, review of the OMP, procedures and records, and inspection of the source.

(e) Based on the results of a determination made under paragraph (d) of this condition, IDEM, OAQ may require that the Permittee make changes to the OMP required by Condition D.3.6. Revisions may be required if IDEM, OAQ finds that the plan:

(1) Does not address a malfunction that has occurred;

(2) Fails to provide for the proper operation of tank 18, the wetting agent or the process monitoring equipment during a malfunction in a manner consistent with good air pollution control practices; or

(3) Does not provide adequate procedures for correcting malfunctioning process equipment, the wetting agent, or monitoring equipment, as quickly as practicable.

D.3.6 Operation and Maintenance Plan [40 CFR 63.342(f)(3)(i)(A), (f)(3)(i)(D), (f)(3)(i)(E), (f)(3)(ii), (f)(3)(iv), (f)(3)(v), and (f)(3)(vi)] [40 CFR 63.343.(a)(1)(ii)] [326 IAC 20-8-1]

(a) The Permittee shall prepare an Operation and Maintenance Plan (OMP) to be implemented no later than the compliance date for tank 18 (2 years after 1/25/95). The OMP shall specify the operation and maintenance criteria for tank 18, the wetting agent and monitoring equipment and shall include the following elements:

(1) Specified operation and maintenance criteria for tank 18 and the monitoring equipment.

(2) A standardized checklist to document the operation and maintenance criteria for tank 18, the air pollution control device and the monitoring equipment.

(3) Procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur; and

(4) A systematic procedure for identifying malfunctions of tank 18, the wetting agent and process and control system monitoring equipment; and for implementing corrective actions to address such malfunctions.

(b) The Permittee may use applicable standard operating procedures (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans such as the PMP, as the OMP, provided the alternative plans meet the above listed criteria in Condition D.3.6(a).

(c) If the OMP fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the Permittee shall revise the OMP within forty-five (45) days after such an event occurs. The revised plan shall include procedures for operating and maintaining tank 18, the wetting agent and the monitoring equipment, during similar malfunction events, and a program for corrective action for such events.

(d) If actions taken by the Permittee during periods of malfunction are inconsistent with the procedures specified in the OMP, the Permittee shall record the actions taken for that event and shall report by phone such actions within two (2) working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within seven (7) working days after the end of the event, unless the Permittee makes alternative reporting arrangements, in advance, with IDEM, OAQ.

(e) The Permittee shall keep the written OMP on record after it is developed to be made available for inspection, upon request, by IDEM, OAQ for the life of tank 18 or until the tank is no longer subject to the provisions of 40 CFR Part 63, Subpart N. In addition, if the OMP is revised, the Permittee shall keep previous (i.e. superseded) versions of the OMP on record to be made available for inspection, upon request by IDEM, OAQ for a period of five (5) years after each revision to the plan.

D.3.7 Monitoring to Demonstrate Continuous Compliance [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1) [40 CFR 63.343(c)(5)(ii) and (c)(5)(iii)] [326 IAC 20-8-1]

(a) Pursuant to 40 CFR 63.343(c)(5)(ii) and (iii), the Permittee shall monitor the surface tension of the anodizing bath.

(1) The Permittee shall monitor the surface tension of the anodizing bath during tank operation according to the following schedule:

(A) The surface tension shall be measured once every 4 hours during operation of the tank with a stalagmometer or a tensiometer as specified in Method 306B, appendix A of 40 CFR Part 63.

(B) The time between monitoring can be increased if there have been no exceedances. The surface tension shall be measured once every 4 hours of tank operation for the first 40 hours of tank operation after the compliance date. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every 8 hours of tank operation. Once there are no exceedances during 40 hours of tank operation, surface tension measurements may be conducted once every 40 hours of tank operation on an ongoing basis, until an exceedance occurs. The minimum frequency of monitoring allowed by this condition is once every 40 hours of tank operation.

(C) Once an exceedance occurs as indicated through surface tension monitoring, the original monitoring schedule of once every 4 hours must be resumed. A subsequent decrease in frequency shall follow the schedule laid out in paragraph (B) above. For example, if a Permittee has been monitoring the tank once every 40 hours and an exceedance occurs, subsequent monitoring would take place once every 4 hours of tank operation. Once an exceedance does not occur for 40 hours of tank operation, monitoring can occur once every 8 hours of tank operation. Once an exceedance does not occur for 40 hours of tank operation on this schedule, monitoring can occur once every 40 hours of tank operation.

(2) Once a bath solution is drained from tank 18 and a new solution added, the original monitoring schedule of once every 4 hours must be resumed, with a decrease in monitoring frequency allowed following the procedures in paragraphs (B) and (C) above.

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

D.3.8 Performance Testing [326 IAC 2-1.1-11] [[326 IAC 2-7-6(1)] [40 CFR 63.343(b)(2) and (c)(5)(ii)] [326 IAC 20-8-1] [40 CFR 63.7(a)(3)]

(a) Pursuant to 40 CFR 63.343(b)(2), the Permittee is not required to conduct an initial performance test since the source meets all of the following criteria:

(1) Tank 18 is a chrome anodizing tank;

(2) A wetting agent is used in the anodizing bath to inhibit chromium emissions from tank 18; and

(3) The Permittee is complying with the applicable surface tension limit in Condition D.3.3 as demonstrated through the continuous compliance monitoring required by 40 CFR 63.343(c)(5)(ii).

(b) Any change, modification, or reconstruction of tank 18, the wetting agent or monitoring equipment may require additional performance testing conducted in accordance with 40 CFR 63.344 and Section C - Performance Testing.

Operation of tank 18 at a surface tension greater than forty-five (45) dynes per centimeter as measured by a staglomometer or thirty-five (35) dynes per centimeter as measured by a tension-meter, if the Permittee is using this value in accordance with 40 CFR 63.343(c)(5)(i), shall constitute noncompliance with 40 CFR 63.342.

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

D.3.9 Record Keeping Requirements [326 IAC 2-7-5(3)] [40 CFR 63.346(b)(1) through (11), (b)(13), and (b)(16)] [326 IAC 20-8-1]

The Permittee shall maintain records to document compliance with Conditions D.3.3, D.3.5 and D.3.6. These records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit and include a minimum of the following:

(a) Inspection records for the wetting agent and monitoring equipment to document that the inspection and maintenance required by Condition D.3.5 has taken place. The record can take the form of a checklist and should identify the following:

(1) The device inspected;

(2) The date of inspection;

(3) A brief description of the working condition for the device during the inspection; and

(4) Any actions taken to correct deficiencies found during the inspection.

(b) Records of all maintenance performed on tank 18 and monitoring equipment.

(c) Records of the occurrence, duration, and cause (if known) of each malfunction of tank 18 and monitoring equipment.

(d) The specific identification (i.e. the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the tank 18, the wetting agent, or the monitoring equipment.

(e) The specific identification (i.e. the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of tank 18, the wetting agent, or the monitoring equipment.

(f) Records of actions taken during periods of malfunction when such actions are inconsistent with the OMP.

(g) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the OMP.

(h) Test reports documenting results of all performance tests.

(i) All measurements as may be necessary to determine the conditions of performance tests, including measurements necessary to determine compliance with the special compliance procedures of Section 63.344(e).

(j) Records of monitoring data required by 40 CFR 63.343(c) that are used to demonstrate compliance with the standard including the date and time the data is collected.

(k) The total process operating time of the tank during the reporting period.

(l) Records of the date and time that fume suppressants were added to the anodizing bath.

(m) All documentation supporting the notifications and reports required by 40 CFR 63.9 and 63.10 (Subpart A, General Provisions) and by 40 CFR 63.347.

D.3.10 Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 3-6-4(b)] [40 CFR 63.344(a)] [40 CFR 63.345 (b)(1) through (b)(3)] [40 CFR 63.347(e)(1) and (2), (g)(3), and (h)(1) and (2)] [326 IAC 20-8-1]

The notifications and reports required in this section shall be submitted to IDEM, OAQ using the address specified in Section C - General Reporting Requirements.

(a) Notifications:

(1) A Notification of Compliance Status (NCS) is required each time that the facility becomes subject to the requirements of 40 CFR Part 63, Subpart N. The NCS shall be submitted to IDEM, OAQ, and shall list, for each tank, the information identified in 40 CFR 63.347(e)(2).The NCS for tank 18 has been submitted to IDEM, OAQ.

(2) Notification of Construction or Reconstruction
Pursuant to 40 CFR 63.345(b)(1), the Permittee may not construct a new tank subject to 40 CFR 63, Subpart N without submitting a Notification of Construction or Reconstruction (NCR) to IDEM, OAQ. In addition, the Permittee may not reconstruct tank 18 without submitting a Notification of Construction or Reconstruction (NCR) to IDEM, OAQ. The NCR shall contain the information identified in 40 CFR 63.345(b) (2) and (3).

(b) Performance Test Results
The Permittee shall document results from any future performance tests in a complete test report that contains the information required in 40 CFR 63.344(a).

(c) Ongoing Compliance Status Report
The Permittee shall prepare summary reports to document the ongoing compliance status of tank 18 using the Ongoing Compliance Status Report form provided with this permit. This report shall contain the information specified in 40 CFR 63.347(g)(3).

Because tank 18 is located at a site that is an area source of hazardous air pollutants (HAPs), the Ongoing Compliance Status Report shall be retained on site and made available to IDEM, OAQ upon request.

(1) The Ongoing Compliance Status Report shall be completed according to the following schedule except as provided in paragraphs (c)(2).

(A) The first report shall cover the period from the issuance date of the permit to December 31 of the year in which the permit is issued.

(B) Following the first year of reporting, the report shall be completed on a calendar year basis with the reporting period covering from January 1 to December 31.

(2) If both of the following conditions are met, semi-annual reports shall be prepared and submitted to IDEM, OAQ:

(A) The total duration of excess emissions (as indicated by the monitoring data collected by the Permittee in accordance with 40 CFR 63.343(c)) is one percent (1%) or greater of the total operating time for the reporting period; and

(B) The total duration of malfunctions of the add-on air pollution control device and monitoring equipment is five percent (5%) or greater of the total operating time.

Once the Permittee reports an exceedance as defined above, Ongoing Compliance Status Reports shall be submitted semi-annually until a request to reduce reporting frequency in accordance with 40 CFR 63.347 (h)(3) is approved.

(3) IDEM, OAQ may determine on a case-by-case basis that the summary report shall be completed more frequently and submitted, or that the annual report shall be submitted instead of being retained on site, if these measures are necessary to accurately assess the compliance status of the source.

SECTION D.4 FACILITY OPERATION CONDITIONS

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

(a) Two (2) Binks Paint Booths, installed in 1998, using HVLP spray guns, 3-stage HEPA filters and an electric powered IR curing oven. [40 CFR 63, Subpart GG] [326 IAC 6.5-1]

(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.4.1 General Provisions Relating to HAPs [326 IAC 20-1-1] [40 CFR 63, Subpart A] [40 CFR 63, Subpart GG, Table 1] [40 CFR 63.741(b)] [40 CFR 63.743(a)]

Except as provided in 40 CFR 63, Subpart GG, Table 1 and 40 CFR 63.743(a), the provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the two (2) Binks Paint Booths.

D.4.2. Applicability [326 IAC 20-15-1] [40 CFR 63, Subpart GG]

The provisions of 40 CFR 63, Subpart GG and 326 IAC 20-15-1 which incorporates by reference 40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities, apply to the two (2) Binks Paint Booths described in this section.

D.4.3 Standards for Cleaning Operations [40 CFR 63.744(a), (a)(1) through (a)(3), (b), (b)(1), (b)(2), (c), (c)(1)(i), (c)(2) through (c)(5), and (d)] [40 CFR 63.745(c)(1) through (c)(4)] [326 IAC 20-15-1]

(a) Pursuant to 40 CFR 63.744(a), the Permittee shall comply with the housekeeping measures of 40 CFR 63.744(a), paragraphs (1) through (3) below, unless the cleaning solvent used is identified in Table 1 of 40 CFR 63.744, or contains HAP or VOC below the de-minimis levels specified in 63.741(f).

(1) Pursuant to 40 CFR 63.744(a)(1), unless the owner or operator satisfies the requirements in 40 CFR 63.744(a)(4), the Permittee shall place used solvent-laden cloth, paper, or other absorbent applicators used for cleaning in bags or other closed containers. Ensure that these bags and containers are kept closed at all times, except when depositing or removing these materials from the container. Use bags and containers of such design so as to contain the vapors of the cleaning solvent. Cotton-tipped swabs used for very small cleaning operations are exempt from this requirement.

(2) Pursuant to 40 CFR 63.744(a)(2), unless the owner or operator satisfies the requirements of 40 CFR 63.744(a)(4), the Permittee shall store fresh and spent cleaning solvents, except semi-aqueous solvent cleaners, used in aerospace cleaning operations in closed containers.

(3) Pursuant to 40 CFR 63.744(a)(3), the Permittee shall conduct the handling and transfer of cleaning solvents to or from enclosed systems, vats, waste containers, and other cleaning operation equipment that hold or store fresh or spent cleaning solvents in such a manner that minimizes spills.

(b) Pursuant to 40 CFR 63.744(b) (Hand-wipe cleaning operations subject to 40 CFR 63, Subpart GG), excluding cleaning of spray gun equipment performed in accordance with 40 CFR 63.744(c), the Permittee shall use cleaning solvents that meet (1) or (2) below. Cleaning solvent solutions that contain HAP or VOC below the de-minimis levels specified in 63.741(f) and cleaning operations described in 40 CFR 63.744(e) are exempt from these requirements.

(1) Pursuant to 40 CFR 63.744(b)(1), the Permittee's cleaning solvent solution shall meet one of the composition requirements in Table 1 of 40 CFR 63.744; or

(2) Pursuant to 40 CFR 63.744(b)(2), the Permittee's cleaning solvent solution shall have a composite vapor pressure of 45 mm Hg (24.1 in H20) or less at 20 degrees C (68 degrees F).

(c) Pursuant to 40 CFR 63.744(c) (Spray gun cleaning) when spray guns are cleaned, the Permittee shall use one or more of the techniques listed below in paragraphs (1) through (4) or their equivalent. Spray gun cleaning operations using cleaning solvent solutions that contain HAP and VOC below the de-minimis levels specified in 63.741(f) are exempt from these requirements.

(1) Pursuant to 40 CFR 63.744(c)(1)(i), *Enclosed System*, clean the spray gun in an enclosed system that is closed at all times except when inserting or removing the spray gun. Cleaning shall consist of forcing solvent through the gun.

(2) Pursuant to 40 CFR 63.744(c)(2), *Nonatomized cleaning*, clean the spray guns by placing cleaning solvent in the pressure pot and forcing the solvent through the spray gun with the atomizing cap in place. No atomizing air is to be used. Direct the cleaning solvent from the spray gun into a vat, drum or other waste container that is closed when not in use.

(3) Pursuant to 40 CFR 63.744(c)(3), *Disassembled spray gun cleaning*, clean the disassembled spray gun components by hand in a vat which shall remain closed at all times except when in use or, alternatively, soak the components in a vat which shall remain closed during the soaking period and when not inserting or removing components.

(4) Pursuant to 40 CFR 63.744(c)(4), Atomizing Cleaning, clean the spray gun by forcing the cleaning solvent through the gun and direct the resulting atomized spray into a waste container that is fitted with a device designed to capture the atomized cleaning solvent emissions.

Cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems that can be programmed to spray into a closed container, shall be exempt from the requirements of 40 CFR 63.744(c) and Condition D.4.3(c).

(d) Pursuant to 40 CFR 63.744(d) (Flush Cleaning), excluding those flush cleaning operations in which 40 CFR 63.744(d) Table 1 or semi-aqueous cleaning solvents are used, the Permittee shall empty the used cleaning solvent each time aerospace parts or assemblies, or components of a coating unit (with the exception of spray guns) are flush cleaned into an enclosed container or collection system that is kept closed when not in use or into a system with equivalent emission control. This excludes those flush cleaning operations in which Table 1 or semi-aqueous cleaning solvents are used.

(e) Pursuant to 40 CFR 63.745(c) (Uncontrolled Coatings), the Permittee shall comply with the organic HAP and VOC content limits specified in 40 CFR 63.745 (c)(1) through (c)(4) for those coatings that are uncontrolled.

(1) Pursuant to 40 CFR 63.745(c)(1), organic HAP emissions from primers shall be limited to an organic HAP content level of no more than 650 g/L (5.4 lb/gal)of exterior primer (less water), as applied, to large commercial aircraft components (parts or assemblies).

(2) Pursuant to 40 CFR 63.745(c)(2), VOC emissions from primers shall be limited to a VOC content level of no more than 650 g/L (5.4 lb/gal) of exterior primer (less water and exempt solvents), as applied, to large commercial aircraft components (parts or assemblies).

(3) Pursuant to 40 CFR 63.745(c)(3), organic HAP emissions from topcoats shall be limited to an organic HAP content level of no more than 420 g/L (3.5 lb/gal) of coating (less water) as applied.

(4) Pursuant to 40 CFR 63.745(c)(4), VOC emissions from topcoats shall be limited to a VOC content level of no more than 420 g/L (3.5 lb/gal) of coating (less water and exempt solvents) as applied.

D.4.4 Storage and Handling of Waste [326 IAC 20-15-1] [40 CFR 63.741(e)] [40 CFR 63.748]

Pursuant to 40 CFR 63.748, unless exempt under 40 CFR 63.741(e), the Permittee shall conduct the handling and transfer of the waste from the two (2) Binks Paint Booths that contains HAP to or from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.

D.4.5 Spray Gun Cleaning and Coating Operations [326 IAC 20-15-1] [40 CFR 63.744(c)(1)(ii) and 63.751(a)]

(a) The Permittee shall comply with the spray gun cleaning enclosed system inspection and repair requirements below.

(1) Pursuant to 40 CFR 63.751(a), the Permittee shall visually inspect seals and all other potential sources of leaks associated with each enclosed gun spray cleaner system at least once per month. Each inspection shall occur while the system is in operation.

(2) Pursuant to 40 CFR 63.744(c)(1)(ii), if a leak is found during the monthly inspection required in 40 CFR 63.751(a), repairs shall be made as soon as practicable, but no later than 15 days from detection. If the leak is not repaired by the 15th day after detection, remove the cleaning solvent and shut down the enclosed cleaning system until the leak is repaired or its use is permanently discontinued.

D.4.6 Primer and Topcoat Application Operations [326 IAC 20-15-1] [40 CFR 63.745(f)(1), (f)(2), (g)(1), (g)(2)(i)(A), (g)(2)(iv), (g)(3), and (g)(4)] [40 CFR 63.751(e)(5)(ii)]

(a) All primers and topcoats containing organic HAPs or VOCs shall be applied using one or more of the application techniques specified below unless the application is exempted in 40 CFR 63.745(f)(3) and all application devices used to apply the primers or topcoats shall be operated according to company procedures, and/or the manufacturers specifications, whichever is most stringent, at all times. Equipment modified by the Permittee shall maintain a transfer efficiency equivalent to HVLP and electrostatic spray application techniques:

(1) Flow/curtain coat application;

(2) Dip coat application;

(3) Roll coating;

(4) Brush coating;

(5) Cotton-tipped swab application;

(6) Electrodeposition (dip) coating;

(7) High volume low pressure (HVLP) spraying;

(8) Electrostatic spray application; or

(9) Other coating application methods that achieve emission reductions equivalent to HVLP or electrostatic spray application methods, as determined according to the requirements in 40 CFR 63.750(i).

(b) Pursuant to 40 CFR 63.745(g)(1), except as provided in 40 CFR 63.745(g)(4) primer or topcoat applications that are spray applied and contain inorganic HAP shall be applied in a booth or hanger in which air flow is directed downward onto or across the part of assembly being coated and exhausted through one or more outlets.

(c) Pursuant to 40 CFR 63.745(g)(2)(i)(A) for primer or topcoat applications that are spray applied and contain inorganic HAP, before venting to the atmosphere the Permittee must control the air stream from these operations by passing the air stream through a dry particulate filter system certified using the methods described in 40 CFR 63.750(o) to meet or exceed the efficiency data points in Tables 1 and 2 of 40 CFR 63.745(g)(2)(i)(A). Pursuant to 40 CFR 63.745(g)(2)(iv), the dry particulate system used to comply with the primer and topcoat inorganic HAP emissions standards in 40 CFR 63.745(g)(2)(i)(A) shall:

(1) Maintain the system in good working order;

(2) Install a differential pressure gauge across the filter banks;

(3) Continuously monitor pressure drop across the filter and read and record the pressure drop across the filter once per shift; and

(4) Take corrective actions when the pressure drop exceeds or falls below the filter manufacturer's recommended limit(s).

On June 1, 2004, the U.S. EPA approved the Permittee's use of an automated dynamic pressure monitoring system, which monitors and records dynamic pressure in the exhaust duct work after the filter system for the paint booths, in lieu of monitoring and recording the pressure drop across the dry filter system. The Permittee may use an automated dynamic pressure monitoring system to comply with Conditions D.4.6(c), D.4.6(d), D.4.10, D.4.11(c), D.4.14(g), and D.4.15(a)(2) and (b).

(d) Pursuant to 40 CFR 63.745(g)(3), the Permittee shall comply with the requirements below.

(1) If the pressure drop across the dry particulate filter system, as recorded pursuant to 40 CFR 63.752(d)(1) is outside of the range specified by the filter manufacturer, or in locally or the Permittee's prepared operating procedures, the Permittee shall shut down the operation immediately and take corrective action.

(2) If the booth maintenance procedures for the filter system have not been performed as scheduled, shut down the operation immediately and take corrective action.

(3) The operation shall not be resumed until the pressure drop is returned within the specified range.

On June 1, 2004, the U.S. EPA approved the Permittee's use of an automated dynamic pressure monitoring system, which monitors and records dynamic pressure in the exhaust duct work after the filter system for the paint booths, in lieu of monitoring and recording the pressure drop across the dry filter system. The Permittee may use an automated dynamic pressure monitoring system to comply with Conditions D.4.6(c), D.4.6(d), D.4.10, D.4.11(c), D.4.14(g), and D.4.15(a)(2) and (b).

(e) The requirements of 40 CFR 63.745(g)(1) through (3) do not apply to the situations listed in 40 CFR 63.745(g)(4).

The alternative monitoring method approved by U.S. EPA pursuant to 40 CFR 63.751 (e)(5), may be used in lieu of the monitoring requirements described in Conditions D.4.6(c) and (d) and D.4.10, compliance determination requirements in Condition D.4.11 (c) and related record keeping requirements described in Conditions D.4.14(g) and D.4.15(a)(2) and (b).

D.4.7 Control Device Requirements [326 IAC 20-15-1] [40 CFR 63.743(b)]

Pursuant to 40 CFR 63.743(b) dry particulate filter systems operated per the manufacturer's instructions are exempt from a startup, shutdown, and malfunction plan.

D.4.8 Particulate Matter (PM) [326 IAC 6.5-1]

Pursuant to 326 IAC 6.5-1 (formerly 326 IAC 6-1) (Nonattainment Area Particulate Limitations), the particulate (PM) from the two (2) paint booths shall be limited to 0.03 grains per dry standard cubic foot of exhaust air.

D.4.9 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 associated control devices.

D.4.10 Compliance Monitoring Requirements for Aerospace Manufacturing and Rework Facilities [326 IAC 20-15-1] [40 CFR 63.751(a) and (c)(1)]

The compliance monitoring requirements of 40 CFR 63.751(a) and (c)(1) are applicable to the enclosed spray gun cleaning operations and dry particulate filter system. The Permittee shall perform monthly visual inspection requirements for enclosed spray gun cleaners pursuant to 40 CFR 63.751(a). The Permittee shall also continuously monitor the pressure drop across the system and read and record the pressure drop once per shift pursuant to 40 CFR 63.751(c)(1).

On June 1, 2004, the U.S. EPA approved the Permittee's use of an automated dynamic monitoring system, which monitors and records dynamic pressure in the exhaust duct work after the filter system for the paint booths, in lieu of monitoring and recording the pressure drop across the dry filter system. The Permittee may use an automated dynamic pressure monitoring system to comply with Conditions D.4.6(c), D.4.6(d), D.4.10, D.4.11(c), D.4.14(g), and D.4.15(a)(2) and (b).

Compliance Determination Requirements

D.4.11 Compliance Dates and Determination for Aerospace Manufacturing and Rework Facilities [326 IAC 20-15-1] [40 CFR 63.749(d)(3), (d)(3)(i), (d)(3)(iii)(A) and (B), (d)(3)(iv), (d)(4), (d)(4)(i), (d)(4)(iii)(A) and (B), (d)(4)(iv), and (e)]

(a) Pursuant to 40 CFR 63.749(d)(3) (Organic HAP and VOC content levels - primer and topcoat application operations), the primer application operation is considered in compliance when the conditions specified below are met. Failure to meet any one of the conditions identified below shall constitute noncompliance:

(1) For all uncontrolled primers, all values of Hi (as determined using the procedures specified in 40 CFR 63.750(c)) are less than or equal to 350 grams of organic HAP per liter (2.9 lb/gal) of primer (less water) as applied, and all values of Gi (as determined using the procedures specified in 40 CFR 63.750(e)) are less than or equal to 350 grams of organic VOC per liter (2.9 lb/gal) of primer (less water and exempt solvents) as applied.

(2) Uses an application technique specified in 40 CFR 63.745(f)(1)(i) through (f)(1)(viii), or uses an alternative application technique, as allowed under 40 CFR

63.745(f)(1) (ix), such that the emissions of both organic HAP and VOC for the implementation period of the alternative application method are less than or equal to the emissions generated using HVLP or electrostatic spray application methods as determined using the procedures specified in 40 CFR 63.750(i).

(3) Operates all application techniques in accordance with the manufacturer's specifications, or in locally or the Permittee's prepared operating procedures, whichever is more stringent.

(b) Pursuant to 40 CFR 63.749(d)(4) (Organic HAP and VOC content levels - primer and topcoat application operations), the topcoat application operation is considered in compliance when the conditions specified below are met. Failure to meet any of the conditions identified below shall constitute noncompliance.

(1) For all uncontrolled topcoats, all values of Hi (as determined using the procedures specified in 40 CFR 63.750(c)) are less than or equal to 420 grams organic HAP per liter (3.5 lb/gal) of topcoat (less water) as applied, and all values of Gi (as determined using the procedures specified in 40 CFR 63.750(e)) are less than or equal to 420 grams organic VOC per liter (3.5 lb/gal) of topcoat (less water and exempt solvents) as applied.

(2) Uses an application technique specified in 40 CFR 63.745(f)(1)(i) through (f)(1)(viii) or uses an alternative application technique, as allowed under 40 CFR 63.745(f)(1) (ix), such that the emissions of both organic HAP and VOC for the implementation period of the alternative application method are less than or equal to the emissions generated using HVLP or electrostatic spray application methods as determined using the procedures specified in 40 CFR 63.750(i).

(3) Operates all application techniques in accordance with the manufacturer's specifications, or in locally or the Permittee's prepared operating procedures, whichever is more stringent.

(c) Pursuant to 40 CFR 63.749(e) (Inorganic HAP emissions), for each primer or topcoat application operation that emits inorganic HAP, the operation is in compliance when:

(1) It is operated according to the requirements specified in 40 CFR 63.745(g)(1), (g)(2) (i)(A), (g)(2)(iv), and (g)(3) and Condition D.4.6(d).

(2) It is shut down immediately whenever the pressure drop is outside the limit(s) established for them and is not restarted until the pressure drop is returned within these limit(s), as required under 40 CFR 63.745(g)(3).

On June 1, 2004, the U.S. EPA approved the Permittee's use of an automated dynamic monitoring system, which monitors and records dynamic pressure in the exhaust duct work after the filter system for the paint booths, in lieu of monitoring and recording the pressure drop across the dry filter system. The Permittee may use an automated dynamic pressure monitoring system to comply with Conditions D.4.6(c), D.4.6(d), D.4.10, D.4.11(c), D.4.14(g), and D.4.15(a)(2) and (b).

D.4.12 Compliance Testing and Procedures for Aerospace Manufacturing and Rework Facilities [326 IAC 20-15-1] [40 CFR 63.750(a), (b), (c), (e), and (o)]

(a) The following test methods and procedures of 40 CFR 63.750 are to be used for demonstrating compliance with the cleaning operations. The specific requirements include the following:

(1) The composition and vapor pressure requirements for hand-wipe cleaning operations shall be determined by the test methods and procedures specified in 40 CFR 63.750(a) and (b).

(2) Dry particulate filters used to comply with 40 CFR 63.745(g)(2) must be certified by the filter manufacturer or distributor, paint/depainting booth supplier, and/or the facility owner or operator using method 319 in appendix A of subpart A of 40 CFR Part 63, to meet or exceed the efficiency data points found in Tables 1 and 2, or 3 and 4 of 40 CFR 63.745 for existing or new sources respectively as outlined in 40 CFR 63.750(o).

(b) For uncontrolled primers and topcoats complying with the primer and topcoat organic HAP content limits in 40 CFR 63.745(c) without being averaged, the procedures in 40 CFR 63.750(c) (Organic HAP content level determination - compliant primers and topcoats) shall be used to determine the mass of organic HAP emitted per volume of coating (less water) as applied.

(c) For uncontrolled primers and topcoats complying with the primer and topcoat VOC content limits in 40 CFR 745(c) without being averaged, the procedures in 40 CFR 63.750(e) (VOC content level determination - compliant primers and topcoats) shall be used to determine the mass of VOC emitted per volume of coating (less water and exempt solvents) as applied.

D.4.13 Particulate Control [326 IAC 2-7-6(6)]

In order to comply with Condition D.4.8, particulate from the surface coating shall be controlled by dry particulate filters and the Permittee shall operate the control device at all times the two (2) paint booths are in operation.

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

D.4.14 Record Keeping Requirements [326 IAC 20-15-1] [40 CFR 63.10(a), (b), (d) and (f)] [40 CFR 63.752 (a), (b)(1) through (b)(3), (b)(5), (c)(1) through (c)(3), (d)(1), and (d)(3)]

(a) Pursuant to 40 CFR 63.752(a) the Permittee shall fulfill all recordkeeping requirements specified in 40 CFR 63.10(a), (b), (d) and (f).

(b) Pursuant to 40 CFR 63.752(b)(1) *Cleaning Operations*: and to demonstrate compliance with Condition D.4.3, record the following for each cleaning solvent used for the affected cleaning operations:

(1) Name of the product;

(2) The vapor pressure; and

(3) Documentation showing the organic HAP constituents.

(c) Pursuant to 40 CFR 63.752(b)(2) *Hand-wipe Cleaning Operations*: and to demonstrate compliance with Condition D.4.3**,** record the following for each cleaning solvent used in hand-wipe cleaning operations that complies with the composition requirements in 40 CFR 63.744(b)(1) or for semi-aqueous cleaning solvents used for flush cleaning operations:

(1) The name of each cleaning solvent used;

(2) All data and calculations that demonstrate that the cleaning solvent complies with one of the composition requirements; and

(3) Annual records of the volume of each solvent used, from facility purchase or usage records.

(d) Pursuant to 40 CFR 63.752(b)(3) and to demonstrate compliance with Condition D.4.3, for each cleaning solvent used in hand-wipe cleaning operations that does not comply with the composition requirements in 40 CFR 63.744(b)(1), but does comply with the vapor pressure requirements in 40 CFR 63.744(b)(2):

(1) The name of each cleaning solvent used;

(2) The composite vapor pressure of each cleaning solvent used;

(3) All vapor pressure test results, if appropriate, data, and calculations used to determine the composite vapor pressure of each cleaning solvent; and

(4) The amount (in gallons) of each cleaning solvent used each month at each operation.

(e) Pursuant to 40 CFR 63.752(b)(5) and to demonstrate compliance with Condition D.4.5, record the following information for each leak from enclosed spray gun cleaners identified pursuant to 40 CFR 63.751(a).

(1) Source identification; and

(2) Date leak was discovered and repaired

(f) Pursuant to 40 CFR 63.752(c) *Primer and topcoat application operations - organic HAP and VOC* and to demonstrate compliance with 40 CFR 63.745(c) (uncontrolled coatings) and Conditions D.4.3(e), D.4.11(a) and (b), and D.4.12(b) and (c), the Permittee shall record the information specified in 40 CFR 63.752(c)(1) through (c)(3) as follows:

(1) Name and VOC content as received and as applied of each primer and topcoat used at the facility.

(2) For uncontrolled primers and topcoats that meet the organic HAP and VOC content limits in 40 CFR 63.745(c)(1) through (c)(4) without averaging:

(i) The mass of organic HAP emitted per unit volume of coating as applied (less water) (Hi) and the mass of VOC emitted per unit volume of coating as applied (less water and exempt solvents) (Gi) for each coating formulation within each coating category used each month (as calculated using the procedures specified in 40 CFR 63.750(c) and (e);

(ii) All data, calculations, and test results (including EPA Method 24 results) used in determining the values of Hi and Gi; and

(3) For (low HAP content) uncontrolled primers with organic HAP content less than or equal to 250 g/l (2.1 lb/gal) less water as applied and VOC content less than or equal to 250 g/l (2.1 lb/gal) less water and exempt solvents as applied:

(i) Annual purchase records of the total volume of each primer purchased; and

(ii) All data, calculations, and test results (including EPA Method 24 results) used in determining the organic HAP and VOC content as applied. These records shall consist of the manufacturer's certification when the primer is applied as received, or the data and calculations used to determine Hi if not applied as received.

(g) Pursuant to 40 CFR 63.752(d) *Primer and topcoat application operations - inorganic HAP emissions* and to demonstrate compliance with 40 CFR 63.745(g) and Conditions D.4.6 (b), (c), (d), and (e) and applicable portions of D.4.10, record the pressure drop across

the dry particulate filter system once each shift during which coating operations occur. The acceptable limit(s) of pressure drop, as specified by the filter or booth manufacturer, or in locally or the Permittee's prepared operating procedures should be included in the log.

On June 1, 2004 the U.S. EPA approved the Permittee's use of an automated dynamic pressure monitoring system, which monitors and records dynamic pressure in the exhaust duct work after the filter system for the paint booths, in lieu of monitoring and recording the pressure drop across the dry filter system. The Permittee may use an automated dynamic pressure monitoring system to comply with the Conditions D.4.6(c), D.4.6(d), D.4.10, D.4.11(c), D.4.14(g), and D.4.15(a)(2) and (b).

(h) To document compliance with Condition D.4.9, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

D.4.15 Reporting Requirements [326 IAC 20-15-1] [40 CFR 63.9(j)] [40 CFR 63.753(b)(1)(i) through (v), (c) (1) (i), (c)(1)(vi), (c)(1)(vii), and (c)(2)]

(a) The Permittee shall submit a report that identifies the following information semi-annually from the date of notification of compliance status unless otherwise specified.

(1) Pursuant to 40 CFR 63.753(b) *Cleaning Operation*:

(A) Any instance where a noncompliant cleaning solvent is used for a non-exempt hand-wipe cleaning operation;

(B) A list of any new cleaning solvents used for hand-wipe cleaning in the previous 6 months and, as appropriate, their composite vapor pressure or notification that they comply with the composition requirements specified in Sec. 63.744(b)(1);

(C) Any instance where a non-compliant spray gun cleaning method is used;

(D) Any instance where a leaking enclosed spray gun cleaner remains unrepaired and in use for more than 15 days; and

(E) If the operations have been in compliance for the semi-annual period, a statement that the cleaning operations have been in compliance with the applicable standards. The Permittee shall also submit a statement of compliance signed by a responsible company official certifying that the facility is in compliance with all applicable requirements.

(2) Pursuant to 40 CFR 63.753(c) *Primer and topcoat application operations*:

(A) For primers and topcoats where compliance is not being achieved through the use of averaging or a control device, each value of Hi and Gi, as recorded under 40 CFR 63.752.(c)(2)(i), that exceeds the applicable organic HAP or VOC content limit specified in 40 CFR 63.745(c) and Condition D.4.3(e).

(B) All times when a primer or topcoat application operation was not immediately shut down when the pressure drop across a dry particulate filter or HEPA filter system, was outside the limit(s) specified by the filter or booth manufacturer, or in locally or the Permittee's prepared operating procedures;

(C) If the operations have been in compliance for the semi-annual period, a statement that the operations have been in compliance with the applicable standards; and

(D) Annual reports beginning twelve (12) months after the date of the notification of compliance status listing the number of times the pressure drop for each dry filter system was outside the limit(s) specified by the filter or booth manufacturer, or in locally or the Permittee's prepared operating procedures.

On June 1, 2004 the U.S. EPA approved the Permittee's use of an automated dynamic pressure monitoring system, which monitors and records dynamic pressure in the exhaust duct work after the filter system for the paint booths, in lieu of monitoring and recording the pressure drop across the dry filter system. The Permittee may use an automated dynamic pressure monitoring system to comply with the Conditions D.4.6(c), D.4.6(d), D.4.10, D.4.11(c), D.4.14(g), and D.4.15(a)(2) and (b).

(b) Pursuant to 40 CFR 63.9(j) any change in the information provided under 40 CFR 63.9 shall be reported to IDEM, OAQ and OES in writing within 15 calendar days after the change.

(c) All reports shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the report forms located at the end of this permit, or their equivalent. The semi-annual reports required by 40 CFR 63.753(b)(1) and (c)(1) in paragraph (a) of this condition shall be submitted on May 1 (for the period September 1 – February 28/29) and November 1 (for the period of March 1 – August 31) of each year. The annual reports required by 40 CFR 63.753(c)(2) in paragraph (a)(2)(D) of this condition shall be submitted on May 1 of each year.

SECTION D.5 FACILITY OPERATION CONDITIONS

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

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

(b) Five (5) natural gas-fired boilers with a total heat input capacity of 10.5 MMBtu/hr. Three (3) boilers constructed in 1986, identified as: Plants 12W, 4W and 4E, exhausting to stacks 226, 484 and 485, respectively. Two (2) boilers constructed in 1991, identified as Plants 4BS and 4BN, both exhausting to stack BS-1. [326 IAC 6.5-1]

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

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaning operations located in St. Joseph County and existing as of July 1, 1990, 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) measured 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 is used is insoluble in, and heavier than, water.

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

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

(1) Close the cover whenever the 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.

D.5.2 Particulate Matter (PM) [326 IAC 6.5-1]

Pursuant to 326 IAC 6.5-1-2(b) (formerly 326 IAC 6-1-2(b)) (Nonattainment Area Particulate Limitations), the particulate (PM) from the five (5) natural gas-fired boilers shall be limited to 0.01 grains per dry standard cubic foot of exhaust air.

D.5.3 Preventive Maintenance Plan [326 IAC 2-7-5(3)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the degreasing operations.

SECTION D.6 FACILITY OPERATION CONDITIONS

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

(a) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors or 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 6.5-1]

(1) Two (2) Re-circulating Blast Units, with a capacity of 2500 pounds per hour of blast media, controlled by two (2) dust collectors, and vented inside the building.

(2) Grinding and sanding operations controlled by various fabric filter systems.

(b) The following emission units or activities with a potential uncontrolled emission rate for particulate matter with an aerometric diameter less than or equal to ten (10) microns (PM10) of less than or equal to 5 pounds per hour or 25 pounds per day. [326 IAC 2-7-1(21)(B)][326 IAC 6.5-1]

(1) One (1) Empire Blaster, with a capacity of 10 pounds per hour, controlled by a dust collector, and venting inside the building.

(2) One (1) die cutter operation, identified as DCR, with a maximum capacity of 60 pounds per hour, installed in 1991. The die cutter machine is controlled by a fabric filter dust collector, identified as DC-1, and exhausts through stack S-1.

(3) Four (4) Needle Machines, identified as NM-3, NM-4, NM-5, and NM-6. NM-3 and NM-4 were constructed in 1998. NM-5 and NM-6 were constructed in 2002. Each machine has a capacity of 15 pounds per hour and all four (4) machines are controlled by a fabric filter dust collector, identified as DC-3, and exhausting within the building.

(4) Two (2) Auto Pre-form Machines, identified as APM-1 and APM-2, each with a maximum capacity of 54 pounds per hour. APM-2 was constructed in 1990 and is controlled by a fabric filter dust collector, identified as DC-4, and exhausting through stack S-4.

(5) One (1) El Dynamometer, identified as ElD, installed in 1989, controlled by two (2) fabric filter dust collectors, identified as DC-305 and DC-307, and exhausting through stacks S-305 and S-307.

(6) Six (6) Burr Benches, each controlled by a dust collector, and venting inside the building.

(7) One (1) Mattison Grinder with a capacity of 230 pounds per hour controlled by a dust collector, and venting inside the building.

(8) One (1) Little Blaster with a maximum capacity of 20 pounds per hour, controlled by a dust collector venting inside the building.

(9) One (1) Brake Test Dynamometer cell controlled by two (2) dust collectors vented to the outside.

(10) One (1) wheelabrator operation with a maximum throughput less than 100 pounds per hour of plastic media blast, controlled by a rotoclone, and exhausting outside the building.

(11) One (1) Blast Works unit controlled by a dust collector vented inside the building.

(12) One (1) Thumbl Blast unit controlled by a dust collector venting inside the building.

(c) Trivial Activities: Activities related to routine fabrication, maintenance and repair of buildings, structures, equipment, or vehicles at the source where air emissions from those activities would

not be associated with any commercial production process, including the following: Brazing, soldering and welding operations and associated equipment. [326 IAC 6.5-1]

(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]

D.6.1 Particulate Matter (PM) [326 IAC 6.5-1]

Pursuant to 326 IAC 6.5-1(formerly 326 IAC 6-1) (Nonattainment Area Particulate Limitations), the particulate (PM) from each of the emission units identified above shall each be limited to 0.03 grains per dry standard cubic foot of exhaust air.

D.6.2 Preventive Maintenance Plan [326 IAC 2-7-5(3)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for each facility and its control device.

Compliance Determination Requirements

D.6.3 Particulate Control [326 IAC 2-7-6(6)]

In order to comply with Condition D.6.1, the particulate control systems identified above shall be in operation and control emissions from the various controlled facilities at all times that these emission units are in operation.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Mailing Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-7442-00172

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 BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Mailing Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-7442-00172

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
CHROMIUM ELECTROPLATING AND ANODIZING NESHAP
ONGOING COMPLIANCE STATUS REPORT

Source Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Mailing Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-7442-00172

Tank ID #: 18
Type of process: Anodizing
Monitoring Parameter: Surface tension of the anodizing bath
Parameter Value: 45 dynes per centimeter
Limits: Total chromium concentration may not exceed 0.01 mg/dscm

This form is to be used to report compliance for the Chromium Electroplating and Anodizing NESHAP only.
The frequency for completing this report may be altered by IDEM, OAQ, Compliance Branch.

Companies classified as a major source: ***Submit this report no later than 30 days after the end of the reporting period.***
Companies classified as an area source: ***Complete this report no later than 30 days after the end of the reporting period, and retain on site unless otherwise notified.***

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

BEGINNING AND ENDING DATES OF THE REPORTING PERIOD:
TOTAL OPERATING TIME OF THE TANK DURING THE REPORTING PERIOD:

MAJOR AND AREA SOURCES: CHECK ONE
NO DEVIATIONS OF THE MONITORING PARAMETER ASSOCIATED WITH THIS TANK FROM THE COMPLIANT VALUE OR RANGE OF VALUES OCCURRED DURING THIS REPORTING PERIOD.
THE MONITORING PARAMETER DEVIATED FROM THE COMPLIANT VALUE OR RANGE OF VALUES DURING THIS REPORTING PERIOD (THUS INDICATING THE EMISSION LIMITATION MAY HAVE BEEN EXCEEDED, WHICH COULD RESULT IN MORE FREQUENT REPORTING).

AREA (I.E., NON-MAJOR) SOURCES OF HAP ONLY: IF DEVIATIONS OCCURRED, LIST THE AMOUNT OF TANK OPERATING TIME EACH MONTH THAT MONITORING RECORDS SHOW THE MONITORING PARAMETER DEVIATED FROM THE COMPLIANT VALUE OR RANGE OF VALUES.			
JAN	APR	JUL	OCT
FEB	MAY	AUG	NOV
MAR	JUN	SEP	DEC
HARD CHROME TANKS / MAXIMUM RECTIFIER CAPACITY LIMITED IN ACCORDANCE WITH 40 CFR 63.342(c)(2) ONLY: LIST THE ACTUAL AMPERE-HOURS CONSUMED (BASED ON AN AMP-HR METER) BY THE INDIVIDUAL TANK.			
JAN	APR	JUL	OCT
FEB	MAY	AUG	NOV
MAR	JUN	SEP	DEC

CHROMIUM ELECTROPLATING AND ANODIZING NESHAP
ONGOING COMPLIANCE STATUS REPORT

ATTACH A SEPARATE PAGE IF NEEDED **Page 2 of 2**

IF THE OPERATION AND MAINTENANCE PLAN REQUIRED BY 40 CFR 63.342 (f)(3) WAS NOT FOLLOWED, PROVIDE AN EXPLANATION OF THE REASONS FOR NOT FOLLOWING THE PLAN AND DESCRIBE THE ACTIONS TAKEN FOR THAT EVENT:
DESCRIBE ANY CHANGES IN TANKS, RECTIFIERS, CONTROL DEVICES, MONITORING, ETC. SINCE THE LAST STATUS REPORT:
ADDITIONAL COMMENTS:

ALL SOURCES: CHECK ONE
I CERTIFY THAT THE WORK PRACTICE STANDARDS IN 40 CFR 63.342(f) WERE FOLLOWED IN ACCORDANCE WITH THE OPERATION AND MAINTENANCE PLAN ON FILE; AND, THAT THE INFORMATION CONTAINED IN THIS REPORT IS ACCURATE AND TRUE TO THE BEST OF MY KNOWLEDGE.
THE WORK PRACTICE STANDARDS IN 40 CFR 63.342(f) WERE NOT FOLLOWED IN ACCORDANCE WITH THE OPERATION AND MAINTENANCE PLAN ON FILE, AS EXPLAINED ABOVE AND/OR ON ATTACHED.

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: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Mailing Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-7442-00172

Months: _____ to _____ Year: _____

Page 1 of 2

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 "No 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:	

Page 2 of 2

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
COMPLIANCE DATA SECTION

PART 70 OPERATING PERMIT
SEMI-ANNUAL DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Honeywell International, Inc.
Source Address: 3520 Westmoor Street, South Bend, Indiana 46628
Mailing Address: 3520 Westmoor Street, South Bend, Indiana 46628
Part 70 Permit No.: T141-7442-00172

Months: _____ to _____ Year: _____

Page 1 of 2

This report shall be submitted semi-annually 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 "No 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:	

Page 2 of 2

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.