



TO: Interested Parties / Applicant

RE: Williamson Polishing & Plating Co., Inc. / 097-21267-00371

FROM: Felicia A. Robinson  
Administrator

## Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within fifteen (15) calendar days of the receipt 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 Indianapolis Office of Environmental Services, Air Permits at (317) 327-2234.

Enclosures



Department of Public Works  
Office of Environmental Services

2700 Belmont Avenue  
Indianapolis, IN 46221

317-327-2234  
Fax 327-2274  
TDD 327-5186  
indygov.org/dpw



**Minor Source Operating Permit Renewal**  
**INDIANA DEPARTMENT OF ENVIRONMENTAL**  
**MANAGEMENT**  
**OFFICE OF AIR QUALITY**  
**AND OFFICE OF ENVIRONMENTAL SERVICES**

**Williamson Polishing & Plating Co., Inc.**  
**2080 Dr. Andrew J. Brown Drive**  
**2064 Columbia Avenue**  
**2221 Yandes Street**  
**Indianapolis, Indiana 46202**

(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.

Indiana statutes from IC 13 and rules from 326 IAC, quoted 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 Minor Source Operating Permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with the conditions listed on the attached pages.

Operation Permit No.: M097-21267-00371	
Issued by:  //Original Signed by// Felicia A. Robinson Administrator Office of Environmental Services	Issuance Date:  June 14, 2007  Expiration Date:



Air Quality Hotline: 317-327-4AIR | [knozone.com](http://knozone.com)

**Department of Public Works**  
**Office of Environmental Services**

2700 Belmont Avenue  
 Indianapolis, IN 46221

317-327-2234  
 Fax 327-2274  
 TDD 327-5186  
[indygov.org/dpw](http://indygov.org/dpw)

## TABLE OF CONTENTS

<b>A</b>	<b>SOURCE SUMMARY</b> .....	<b>4</b>
A.1	General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]	
A.2	Source Definition	
A.3	Emission Units and Pollution Control Equipment Summary	
<b>B</b>	<b>GENERAL CONDITIONS</b> .....	<b>6</b>
B.1	Definitions [326 IAC 2-1.1-1]	
B.2	Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]	
B.3	Term of Conditions [326 IAC 2-1.1-9.5]	
B.4	Enforceability	
B.5	Severability	
B.6	Property Rights or Exclusive Privilege	
B.7	Duty to Provide Information	
B.8	Certification	
B.9	Annual Notification [326 IAC 2-6.1-5(a)(5)]	
B.10	Preventive Maintenance Plan [326 IAC 1-6-3]	
B.11	Prior Permits Superseded [326 IAC 2-1.1-9.5]	
B.12	Termination of Right to Operate [326 IAC 2-6.1-7(a)]	
B.13	Permit Renewal [326 IAC 2-6.1-7]	
B.14	Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]	
B.15	Source Modification Requirement	
B.16	Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-17-3-2][IC 13-30-3-1]	
B.17	Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]	
B.18	Annual Fee Payment [326 IAC 2-1.1-7]	
B.19	Credible Evidence [326 IAC 1-1-6]	
<b>C</b>	<b>SOURCE OPERATION CONDITIONS</b> .....	<b>11</b>
C.1	Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]	
C.2	Permit Revocation [326 IAC 2-1.1-9]	
C.3	Opacity [326 IAC 5-1]	
C.4	Fugitive Dust Emissions [326 IAC 6-4]	
C.5	Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]	
	<b>Testing Requirements [326 IAC 2-6.1-5(a)(2)]</b>	
C.6	Performance Testing [326 IAC 3-6]	
	<b>Compliance Requirements [326 IAC 2-1.1-11]</b>	
C.7	Compliance Requirements [326 IAC 2-1.1-11]	
	<b>Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]</b>	
C.8	Compliance Monitoring [326 IAC 2-1.1-11]	
C.9	Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]	
C.10	Actions Related to Noncompliance Demonstrated by a Stack Test	
	<b>Record Keeping and Reporting Requirements</b>	
C.11	Malfunctions Report [326 IAC 1-6-2]	
C.12	General Record Keeping Requirements [326 IAC 2-6.1-5]	
C.13	General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-5] [IC 13-14-1-13]	

<b>D.1</b>	<b>EMISSIONS UNIT OPERATION CONDITIONS - Decorative Hexavalent Chromium Electroplating Process .....</b>	<b>16</b>
	<b>Emission Limitations and Standards</b>	
D.1.1	Preventive Maintenance Plan [326 IAC 1-6-3]	
	<b>National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements</b>	
D.1.2	General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1][40 CFR Part 63, Subpart A]	
D.1.3	National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks Requirements [40 CFR Part 63, Subpart N]	
<b>D.2</b>	<b>EMISSIONS UNIT OPERATION CONDITIONS – Natural Gas Fired Combustion Units.....</b>	<b>30</b>
	<b>Emission Limitations and Standards</b>	
D.2.1	Particulate Matter (PM) [326 IAC 6-2-4]	
<b>D.3</b>	<b>EMISSIONS UNIT OPERATION CONDITIONS – Degreasing .....</b>	<b>31</b>
	<b>Emission Limitations and Standards</b>	
D.3.1	Volatile Organic Compounds (VOC) [326 IAC 8-3-5(a)]	
	<b>Certification .....</b>	<b>33</b>
	<b>Ongoing Compliance Status Report.....</b>	<b>34</b>
	<b>Annual Notification .....</b>	<b>36</b>
	<b>Malfunction Report.....</b>	<b>37</b>

## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and Office of Environmental Services (OES). The information describing the source contained in conditions A.1 through A.2 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 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a stationary decorative chromium electroplating operation.

Source Address: Plant 1: 2080 Dr. Andrew J. Brown Drive, Indianapolis, IN 46202  
Plant 2: 2064 Columbia Avenue, Indianapolis, IN 46202  
Plant 3: 2221 Yandes Street, Indianapolis, IN 46202

Mailing Address: 2080 Dr. Andrew J. Brown Drive

General Source Phone No.: (317) 925-5581

SIC Code: 3471

County Location: Marion

Source Location Status: Nonattainment for 8-hour ozone and PM-2.5  
Attainment for all other criteria pollutants

Source Status: Minor Source Operating Permit Program  
Minor Source, under PSD and Emission Offset Rules

### A.2 Source Definition

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This decorative chromium electroplating operation consists of three (3) plants:

- (a) Plant 1, Williamson Polishing & Plating Co., Inc., is located at Dr. Andrew J. Brown Drive, Indianapolis, 46202;
- (b) Plant 2, Progressive Plating Co., Inc., is located at 2064 Columbia Avenue, Indianapolis, 46202; and
- (c) Plant 3, Production Plating Co., Inc., is located at 2221 Yandes Street, Indianapolis, IN 46202

Since the three (3) plants are located on contiguous or adjacent properties, belong to the same industrial grouping, and are under common control of the same entity, they will be considered one (1) source, effective from the date of issuance of this Minor Source Operating Permit.

### A.3 Emission Units and Pollution Control Equipment Summary

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This stationary source is approved to operate the following emissions units and pollution control devices:

- (a) Plant 1: Williamson Polishing & Plating Co., Inc.:
  - (1) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 2,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as A-9;
  - (2) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a

maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-18;

- (3) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-25;
  - (4) Eleven (11) natural gas fueled furnaces, combined maximum heat input rate of 2.24 MMBtu per hour, identified as A-01, A-02, A-03, B-01, B-02, C-01, D-01, D-02, D-03, D-04 and Office;
  - (5) One (1) Superior natural gas fueled boiler, constructed in August 2003, with a heat input rate of 6.3 MMBtu per hour, identified as SB 01.
  - (6) One (1) cold cleaner degreasing operation, constructed prior to 1976, utilizing 24.5 gallons per year of mineral spirits, identified as DG-1;
- (b) Plant 2: Progressive Plating Co., Inc.:
- (1) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 3,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as Tank 1;
  - (2) Four (4) natural gas fueled furnaces in non-production areas, combined maximum heat input rate of 0.6 MMBtu per hour, identified as natural gas furnaces #1 - #4.

## **SECTION B GENERAL CONDITIONS**

### **B.1 Definitions [326 IAC 2-1.1-1]**

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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 2-1.1-1) shall prevail.

### **B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]**

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- (a) This permit, 097-21267-00371, 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 and OES, 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 until the renewal permit has been issued or denied.

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

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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**

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- (a) 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 and OES, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.
- (b) Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the sources potential to emit, are enforceable by OES.

### **B.5 Severability**

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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**

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

### **B.7 Duty to Provide Information**

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- (a) The Permittee shall furnish to IDEM, OAQ and OES, within a reasonable time, any information that IDEM, OAQ and OES 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ and OES copies of records required to be kept by this permit.
- (c) 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

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- (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 an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

#### B.9 Annual Notification [326 IAC 2-6.1-5(a)(5)]

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- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

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

and

Office of Environmental Services  
Air Compliance  
2700 South Belmont Ave.  
Indianapolis, IN 46221

- (c) The notification 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 and OES on or before the date it is due.

#### B.10 Preventive Maintenance Plan [326 IAC 1-6-3]

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) 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 and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ and OES. IDEM, OAQ and OES 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to M097-21267-00371 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted
- (b) All previous registrations and permits are superseded by this permit.

B.12 Termination of Right to Operate [326 IAC 2-6.1-7(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 ninety (90) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.13 Permit Renewal [326 IAC 2-6.1-7]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and OES and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

and

Office of Environmental Services  
Air Compliance  
2700 South Belmont Ave.  
Indianapolis, IN 46221

- (b) A timely renewal application is one that is:
  - (1) Submitted at least ninety (90) days 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, and OES 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 2-6.1 until IDEM, OAQ and OES 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 and OES any additional information identified as being needed to process the application.

B.14 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

- (a) Permit amendments and revision are governed by the requirements of 326 IAC 2-6.1-6 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

and

Office of Environmental Services  
Air Compliance  
2700 South Belmont Ave.  
Indianapolis, IN 46221

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.15 Source Modification Requirement

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

B.16 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC13-17-3-2][IC 13-30-3-1]

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, and OES or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a permitted 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, at reasonable times, 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, at reasonable times, 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, at reasonable times, 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.17 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]**

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- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 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

and

Office of Environmental Services  
Air Permits  
2700 South Belmont Ave.  
Indianapolis, IN 46221

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

**B.18 Annual Fee Payment [326 IAC 2-1.1-7]**

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- (a) The Permittee shall pay annual fees to IDEM, OAQ, and OES within thirty (30) calendar days of receipt of a billing.
- (b) 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.19 Credible Evidence [326 IAC 1-1-6]**

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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 2-6.1-5(a)(1)]

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

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

**C.2 Permit Revocation [326 IAC 2-1.1-9]**

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, and OES the fact that continuance of this permit is not consistent with purposes of this article.

**C.3 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.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).

**C.5 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 and

Office of Environmental Services  
Air Enforcement  
2700 South Belmont Ave.  
Indianapolis, IN 46221

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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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 2-6.1-5(a)(2)]**

#### **C.6 Performance Testing [326 IAC 3-6]**

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

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

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

and

Office of Environmental Services  
Air Compliance  
2700 South Belmont Ave.  
Indianapolis, IN 46221

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and OES 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.7 Compliance Requirements [326 IAC 2-1.1-11]**

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

### **Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]**

#### **C.8 Compliance Monitoring [326 IAC 2-1.1-11]**

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Compliance with applicable requirements shall be documented as required by this permit. The

Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

**C.9 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]**

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

**C.10 Actions Related to Noncompliance Demonstrated by a Stack Test**

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- (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, and OES within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected emissions unit 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, and OES that re-testing in one-hundred and twenty (120) days is not practicable, IDEM, OAQ, and OES may extend the re-testing deadline.
- (c) IDEM, OAQ, and OES reserve the authority to take any actions allowed under law in response to non-compliant stack tests.

The response action documents submitted pursuant to this condition do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1.

**Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]**

**C.11 Malfunctions Report [326 IAC 1-6-2]**

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Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.12 General Record Keeping Requirements[326 IAC 2-6.1-5]

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- (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 or OES makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or OES 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.13 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

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- (a) 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

and

Office of Environmental Services  
Air Compliance  
2700 South Belmont Ave.  
Indianapolis, IN 46221

- (b) 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, and OES on or before the date it is due.
- (c) 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (a) Plant 1: Williamson Polishing & Plating Co., Inc.:
- (1) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 2,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as A-9;
  - (2) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-18;
  - (3) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-25;
- (b) Plant 2: Progressive Plating Co., Inc.:
- (1) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 3,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as Tank 1;

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

### Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

#### D.1.1 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for tanks A-9, C-18, C-25, and Tank 1.

### National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-6.1-5]

#### D.1.2 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

- (a) Pursuant to 40 CFR 63.340, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1 for the decorative chrome electroplating tanks, identified as A-9, C-18, C-25, and Tank 1, as specified in Appendix A of 40 CFR Part 63, Subpart N in accordance with schedule in 40 CFR 63 Subpart N.
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports 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

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis Indiana 46221

D.1.3 National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks Requirements [40 CFR Part 63, Subpart N]

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Pursuant to 40 CFR Part 63, Subpart N, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart N, for the decorative chrome electroplating tanks, identified as A-9, C-18, C-25, and Tank 1, as specified as follows.

**§ 63.340 Applicability and designation of sources.**

(a) The affected source to which the provisions of this subpart apply is each chromium electroplating or chromium anodizing tank at facilities performing hard chromium electroplating, decorative chromium electroplating, or chromium anodizing.

(b) Owners or operators of affected sources subject to the provisions of this subpart must also comply with the requirements of subpart A of this part, according to the applicability of subpart A of this part to such sources, as identified in Table 1 of this subpart.

(c) Process tanks associated with a chromium electroplating or chromium anodizing process, but in which neither chromium electroplating nor chromium anodizing is taking place, are not subject to the provisions of this subpart. Examples of such tanks include, but are not limited to, rinse tanks, etching tanks, and cleaning tanks. Likewise, tanks that contain a chromium solution, but in which no electrolytic process occurs, are not subject to this subpart. An example of such a tank is a chrome conversion coating tank where no electrical current is applied.

(e) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a permit under 40 CFR part 70 or 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart applicable to area sources.

**§ 63.341 Definitions and nomenclature.**

(a) *Definitions.* Terms used in this subpart are defined in the Act, in subpart A of this part, or in this section. For the purposes of subpart N of this part, if the same term is defined in subpart A of this part and in this section, it shall have the meaning given in this section.

*Add-on air pollution control device* means equipment installed in the ventilation system of chromium electroplating and anodizing tanks for the purposes of collecting and containing chromium emissions from the tank(s).

*Air pollution control technique* means any method, such as an add-on air pollution control device or a chemical fume suppressant, that is used to reduce chromium emissions from chromium electroplating and chromium anodizing tanks.

*Base metal* means the metal or metal alloy that comprises the workpiece.

*Bath component* means the trade or brand name of each component(s) in trivalent chromium plating baths. For trivalent chromium baths, the bath composition is proprietary in most cases. Therefore, the trade or brand name for each component(s) can be used; however, the chemical name of the wetting agent contained in that component must be identified.

*Chemical fume suppressant* means any chemical agent that reduces or suppresses fumes or mists at the surface of an electroplating or anodizing bath; another term for fume suppressant is mist suppressant.

*Chromic acid* means the common name for chromium anhydride ( $\text{CrO}_3$ ).

*Chromium anodizing* means the electrolytic process by which an oxide layer is produced on the surface of a base metal for functional purposes (e.g., corrosion resistance or electrical insulation) using a chromic acid solution. In chromium anodizing, the part to be anodized acts as the anode in the electrical circuit, and the chromic acid solution, with a concentration typically ranging from 50 to 100 grams per liter (g/L), serves as the electrolyte.

*Chromium anodizing tank* means the receptacle or container along with the following accompanying internal and external components needed for chromium anodizing: rectifiers fitted with controls to allow for voltage adjustments, heat exchanger equipment, circulation pumps, and air agitation systems.

*Chromium electroplating tank* means the receptacle or container along with the following internal and external components needed for chromium electroplating: Rectifiers, anodes, heat exchanger equipment, circulation pumps, and air agitation systems.

*Composite mesh-pad system* means an add-on air pollution control device typically consisting of several mesh-pad stages. The purpose of the first stage is to remove large particles. Smaller particles are removed in the second stage, which consists of the composite mesh pad. A final stage may remove any reentrained particles not collected by the composite mesh pad.

*Decorative chromium electroplating* means the process by which a thin layer of chromium (typically 0.003 to 2.5 microns) is electrodeposited on a base metal, plastic, or undercoating to provide a bright surface with wear and tarnish resistance. In this process, the part(s) serves as the cathode in the electrolytic cell and the solution serves as the electrolyte. Typical current density applied during this process ranges from 540 to 2,400 Amperes per square meter ( $\text{A/m}^2$ ) for total plating times ranging between 0.5 to 5 minutes.

*Electroplating or anodizing bath* means the electrolytic solution used as the conducting medium in which the flow of current is accompanied by movement of metal ions for the purposes of electroplating metal out of the solution onto a workpiece or for oxidizing the base material.

*Emission limitation* means, for the purposes of this subpart, the concentration of total chromium allowed to be emitted expressed in milligrams per dry standard cubic meter (mg/dscm), or the allowable surface tension expressed in dynes per centimeter (dynes/cm).

*Enclosed hard chromium electroplating tank* means a chromium electroplating tank that is equipped with an enclosing hood and ventilated at half the rate or less that of an open surface tank of the same surface area.

*Facility* means the major or area source at which chromium electroplating or chromium anodizing is performed.

*Fiber-bed mist eliminator* means an add-on air pollution control device that removes contaminants from a gas stream through the mechanisms of inertial impaction and Brownian diffusion. These devices are typically installed downstream of another control device, which serves to prevent plugging, and consist of one or more fiber beds. Each bed consists of a hollow cylinder formed from two concentric screens; the fiber between the screens may be fabricated from glass, ceramic plastic, or metal.

*Foam blanket* means the type of chemical fume suppressant that generates a layer of foam across the surface of a solution when current is applied to that solution.

*Fresh water* means water, such as tap water, that has not been previously used in a process operation or, if the water has been recycled from a process operation, it has been treated and meets the effluent guidelines for chromium wastewater.

*Hard chromium electroplating* or industrial chromium electroplating means a process by which a thick layer of chromium (typically 1.3 to 760 microns) is electrodeposited on a base material to provide a surface with functional properties such as wear resistance, a low coefficient of friction, hardness, and corrosion resistance. In this process, the part serves as the cathode in the electrolytic cell and the solution serves as the electrolyte. Hard chromium electroplating process is performed at current densities typically ranging from 1,600 to 6,500  $A/m^2$  for total plating times ranging from 20 minutes to 36 hours depending upon the desired plate thickness.

*Hexavalent chromium* means the form of chromium in a valence state of +6.

*Large, hard chromium electroplating facility* means a facility that performs hard chromium electroplating and has a maximum cumulative potential rectifier capacity greater than or equal to 60 million ampere-hours per year (amp-hr/yr).

*Maximum cumulative potential rectifier capacity* means the summation of the total installed rectifier capacity associated with the hard chromium electroplating tanks at a facility, expressed in amperes, multiplied by the maximum potential operating schedule of 8,400 hours per year and 0.7, which assumes that electrodes are energized 70 percent of the total operating time. The maximum potential operating schedule is based on operating 24 hours per day, 7 days per week, 50 weeks per year.

*Open surface hard chromium electroplating tank* means a chromium electroplating tank that is ventilated at a rate consistent with good ventilation practices for open tanks.

*Operating parameter value* means a minimum or maximum value established for a control device or process parameter which, if achieved by itself or in combination with one or more other operating parameter values, determines that an owner or operator is in continual compliance with the applicable emission limitation or standard.

*Packed-bed scrubber* means an add-on air pollution control device consisting of a single or double packed bed that contains packing media on which the chromic acid droplets impinge. The packed-bed section of the scrubber is followed by a mist eliminator to remove any water entrained from the packed-bed section.

*Research or laboratory operation* means an operation whose primary purpose is for research and development of new processes and products, that is conducted under the close supervision of technically trained personnel, and that is not involved in the manufacture of products for commercial sale in commerce, except in a de minimis manner.

*Small, hard chromium electroplating facility* means a facility that performs hard chromium electroplating and has a maximum cumulative potential rectifier capacity less than 60 million amp-hr/yr.

*Stalagmometer* means an instrument used to measure the surface tension of a solution by determining the mass of a drop of liquid by weighing a known number of drops or by counting the number of drops obtained from a given volume of liquid.

*Surface tension* means the property, due to molecular forces, that exists in the surface film of all liquids and tends to prevent liquid from spreading.

*Tank operation* means the time in which current and/or voltage is being applied to a chromium electroplating tank or a chromium anodizing tank.

*Tensiometer* means an instrument used to measure the surface tension of a solution by determining the amount of force needed to pull a ring from the liquid surface. The amount of force is proportional to the surface tension.

*Trivalent chromium* means the form of chromium in a valence state of +3.

*Trivalent chromium process* means the process used for electrodeposition of a thin layer of chromium onto a base material using a trivalent chromium solution instead of a chromic acid solution.

*Wetting agent* means the type of chemical fume suppressant that reduces the surface tension of a liquid.

(b) *Nomenclature*. The nomenclature used in this subpart has the following meaning:

(1) AMR=the allowable mass emission rate from each type of affected source subject to the same emission limitation in milligrams per hour (mg/hr).

(2)  $AMR_{sys}$ =the allowable mass emission rate from affected sources controlled by an add-on air pollution control device controlling emissions from multiple sources in mg/hr.

(3) EL=the applicable emission limitation from §63.342 in milligrams per dry standard cubic meter (mg/dscm).

(4)  $IA_{total}$ =the sum of all inlet duct areas from both affected and nonaffected sources in meters squared.

(5)  $IDA_i$ =the total inlet area for all ducts associated with affected sources in meters squared.

(6)  $IDA_{i,a}$ =the total inlet duct area for all ducts conveying chromic acid from each type of affected source performing the same operation, or each type of affected source subject to the same emission limitation in meters squared.

(7) VR=the total of ventilation rates for each type of affected source subject to the same emission limitation in dry standard cubic meters per minute (dscm/min).

(8)  $VR_{inlet}$ =the total ventilation rate from all inlet ducts associated with affected sources in dscm/min.

(9)  $VR_{inlet,a}$ =the total ventilation rate from all inlet ducts conveying chromic acid from each type of affected source performing the same operation, or each type of affected source subject to the same emission limitation in dscm/min.

(10)  $VR_{tot}$ =the average total ventilation rate for the three test runs as determined at the outlet by means of the Method 306 in appendix A of this part testing in dscm/min.

**§ 63.342 Standards.**

(a) Each owner or operator of an affected source subject to the provisions of this subpart shall comply with these requirements on and after the compliance dates specified in §63.343(a). All affected sources are regulated by applying maximum achievable control technology.

(b) *Applicability of emission limitations*.

(1) The emission limitations in this section apply during tank operation as defined in §63.341, and during periods of startup and shutdown as these are routine occurrences for affected sources subject to this subpart. The emission limitations do not apply during periods of malfunction, but the work practice standards that address operation and maintenance and that are required by paragraph (f) of this section must be followed during malfunctions.

(d) *Standards for decorative chromium electroplating tanks using a chromic acid bath and chromium anodizing tanks*. During tank operation, each owner or operator of an existing, new, or reconstructed affected source shall control chromium emissions discharged to the atmosphere from that affected source by either:

(1) Not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.01 mg/dscm ( $4.4 \times 10^{-6}$  gr/dscf); or

(2) If a chemical fume suppressant containing a wetting agent is used, by not allowing the surface tension of the electroplating or anodizing bath contained within the affected source to exceed 45 dynes/cm ( $3.1 \times 10^{-3}$  lb/ft) as measured by a stalagmometer or 35 dynes/cm ( $2.4 \times 10^{-3}$  lb/ft) as measured by a tensiometer at any time during operation of the tank.

(f) *Operation and maintenance practices.* All owners or operators subject to the standards in paragraphs (c) and (d) of this section are subject to these operation and maintenance practices.

(1)(i) At all times, including periods of startup, shutdown, and malfunction, owners or operators shall operate and maintain any affected source, including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices, consistent with the operation and maintenance plan required by paragraph (f)(3) of this section.

(ii) Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the operation and maintenance plan required by paragraph (f)(3) of this section.

(iii) Operation and maintenance requirements established pursuant to section 112 of the Act are enforceable independent of emissions limitations or other requirements in relevant standards.

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

(ii) Based on the results of a determination made under paragraph (f)(2)(i) of this section, the Administrator may require that an owner or operator of an affected source make changes to the operation and maintenance plan required by paragraph (f)(3) of this section for that source. Revisions may be required if the Administrator finds that the plan:

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

(B) Fails to provide for the proper operation of the affected source, the air pollution control techniques, or the control system and process monitoring equipment during a malfunction in a manner consistent with good air pollution control practices; or

(C) Does not provide adequate procedures for correcting malfunctioning process equipment, air pollution control techniques, or monitoring equipment as quickly as practicable.

(3) *Operation and maintenance plan.*

(i) The owner or operator of an affected source subject to paragraph (f) of this section shall prepare an operation and maintenance plan to be implemented no later than the compliance date, except for hard chromium electroplaters and the chromium anodizing operations in California which have until January 25, 1998. The plan shall be incorporated by reference into the source's title V permit, if and when a title V permit is required. The plan shall include the following elements:

(A) The plan shall specify the operation and maintenance criteria for the affected source, the add-on air pollution control device (if such a device is used to comply with the emission limits), and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of this equipment;

(B) For sources using an add-on control device or monitoring equipment to comply with this subpart, the plan shall incorporate the operation and maintenance practices for that device or monitoring equipment, as identified in Table 1 of this section, if the specific equipment used is identified in Table 1 of this section;

(D) The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur; and

(E) The plan shall include a systematic procedure for identifying malfunctions of process equipment, add-on air pollution control devices, and process and control system monitoring equipment and for implementing corrective actions to address such malfunctions.

(ii) If the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the owner or operator shall revise the operation and maintenance plan within 45 days after such an event occurs. The revised plan shall include procedures for operating and maintaining the process equipment, add-on air pollution control device, or monitoring equipment during similar malfunction events, and a program for corrective action for such events.

(iii) Recordkeeping associated with the operation and maintenance plan is identified in §63.346(b). Reporting associated with the operation and maintenance plan is identified in §63.347 (g) and (h) and paragraph (f)(3)(iv) of this section.

(iv) If actions taken by the owner or operator during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan required by paragraph (f)(3)(i) of this section, the owner or operator shall record the actions taken for that event and shall report by phone such actions within 2 working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within 7 working days after the end of the event, unless the owner or operator makes alternative reporting arrangements, in advance, with the Administrator.

(v) The owner or operator shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the Administrator for the life of the affected source or until the source is no longer subject to the provisions of this subpart. In addition, if the operation and maintenance plan is revised, the owner or operator shall keep previous (i.e., superseded) versions of the operation and maintenance plan on record to be made available for inspection, upon request, by the Administrator for a period of 5 years after each revision to the plan.

(vi) To satisfy the requirements of paragraph (f)(3) of this section, the owner or operator may use applicable standard operating procedure (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans, provided the alternative plans meet the requirements of this section.

(g) The standards in this section that apply to chromic acid baths shall not be met by using a reducing agent to change the form of chromium from hexavalent to trivalent.

Table 1 to § 63.342 Summary of Operation and Maintenance Practices

Control technique	Operation and maintenance practices	Frequency
----- Monitoring Equipment -----		
Stalagmometer.....	Follow manufacturers recommendations.	
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**§ 63.343 Compliance provisions.**

(a) *Compliance dates.*

(1) The owner or operator of an existing affected source shall comply with the emission limitations in §63.342 as follows:

(i) No later than 1 year after January 25, 1995, if the affected source is a decorative chromium electroplating tank;

(3) The owner or operator of an existing area source that increases actual or potential emissions of hazardous air pollutants such that the area source becomes a major source must comply with the provisions for existing major sources, including the reporting provisions of §63.347(g), immediately upon becoming a major source.

(6) *Request for an extension of compliance.* An owner or operator of an affected source or sources that requests an extension of compliance shall do so in accordance with this paragraph and the applicable

paragraphs of §63.6(i). When the owner or operator is requesting the extension for more than one affected source located at the facility, then only one request may be submitted for all affected sources at the facility.

(i) The owner or operator of an existing affected source who is unable to comply with a relevant standard under this subpart may request that the Administrator (or a State, when the State has an approved part 70 permit program and the source is required to obtain a part 70 permit under that program, or a State, when the State has been delegated the authority to implement and enforce the emission standard for that source) grant an extension allowing the owner or operator up to 1 additional year to comply with the standard for the affected source. The owner or operator of an affected source who has requested an extension of compliance under this paragraph and is otherwise required to obtain a title V permit for the source shall apply for such permit or apply to have the title V permit revised to incorporate the conditions of the extension of compliance. The conditions of an extension of compliance granted under this paragraph will be incorporated into the owner or operator's title V permit for the affected source(s) according to the provisions of 40 CFR part 70 or 40 CFR part 71, whichever is applicable.

(ii) Any request under this paragraph for an extension of compliance with a relevant standard shall be submitted in writing to the appropriate authority not later than 6 months before the affected source's compliance date as specified in this section.

(b) If the owner or operator of an affected source meets all of the following criteria, an initial performance test is not required to be conducted under this subpart:

(i) The affected source is a hard chromium electroplating tank, a decorative chromium electroplating tank or a chromium anodizing tank; and

(ii) A wetting agent is used in the plating or anodizing bath to inhibit chromium emissions from the affected source; and

(iii) The owner or operator complies with the applicable surface tension limit of §63.342(c)(1)(iii), (c)(2)(iii), or (d)(2) as demonstrated through the continuous compliance monitoring required by paragraph (c)(5)(ii) of this section.

(c) *Monitoring to demonstrate continuous compliance.* The owner or operator of an affected source subject to the emission limitations of this subpart shall conduct monitoring according to the type of air pollution control technique that is used to comply with the emission limitation. The monitoring required to demonstrate continuous compliance with the emission limitations is identified in this section for the air pollution control techniques expected to be used by the owners or operators of affected sources.

(5) *Wetting agent-type or combination wetting agent-type/foam blanket fume suppressants.* (i) During the initial performance test, the owner or operator of an affected source complying with the emission limitations in §63.342 through the use of a wetting agent in the electroplating or anodizing bath shall determine the outlet chromium concentration using the procedures in §63.344(c). The owner or operator shall establish as the site-specific operating parameter the surface tension of the bath using Method 306B, appendix A of this part, setting the maximum value that corresponds to compliance with the applicable emission limitation. In lieu of establishing the maximum surface tension during the performance test, the owner or operator may accept 45 dynes/cm as measured by a stalagmometer or 35 dynes/cm as measured by a tensiometer as the maximum surface tension value that corresponds to compliance with the applicable emission limitation. However, the owner or operator is exempt from conducting a performance test only if the criteria of paragraph (b)(2) of this section are met.

(ii) On and after the date on which the initial performance test is required to be completed under §63.7, except for hard chromium electroplaters and chromium anodizing operations in California, which have until January 25, 1998, the owner or operator of an affected source shall monitor the surface tension of the electroplating or anodizing bath. Operation of the affected source at a surface tension greater than the value established during the performance test, or greater than 45 dynes/cm as measured by a stalagmometer or 35 dynes/cm as measured by a tensiometer if the owner or operator is using this value in accordance with paragraph (c)(5)(i) of this section, shall constitute noncompliance with the standards.

The surface tension shall be monitored 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 this part.

(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 measurement 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 subpart 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 (c)(5)(ii)(B) of this section. For example, if an owner or operator had been monitoring an affected source 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.

(iii) Once a bath solution is drained from the affected tank 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 of paragraphs (c)(5)(ii) (B) and (C) of this section.

**§ 63.346 Recordkeeping requirements.**

(a) The owner or operator of each affected source subject to these standards shall fulfill all recordkeeping requirements outlined in this section and in the General Provisions to 40 CFR part 63, according to the applicability of subpart A of this part as identified in Table 1 of this subpart.

(b) The owner or operator of an affected source subject to the provisions of this subpart shall maintain the following records for such source:

(1) Inspection records for the add-on air pollution control device, if such a device is used, and monitoring equipment, to document that the inspection and maintenance required by the work practice standards of §63.342(f) and Table 1 of §63.342 have taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during the inspection.

(2) Records of all maintenance performed on the affected source, the add-on air pollution control device, and monitoring equipment;

(3) Records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control, and monitoring equipment;

(4) Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;

(5) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan required by §63.342(f)(3);

(8) Records of monitoring data required by §63.343(c) that are used to demonstrate compliance with the standard including the date and time the data are collected;

(9) 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 process, add-on air pollution control, or monitoring equipment;

(10) 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 the process, add-on air pollution control, or monitoring equipment;

(11) The total process operating time of the affected source during the reporting period;

(13) For sources using fume suppressants to comply with the standards, records of the date and time that fume suppressants are added to the electroplating or anodizing bath;

(16) All documentation supporting the notifications and reports required by §63.9, §63.10, and §63.347.

(c) All records shall be maintained for a period of 5 years in accordance with §63.10(b)(1).

**§ 63.347 Reporting requirements.**

(a) The owner or operator of each affected source subject to these standards shall fulfill all reporting requirements outlined in this section and in the General Provisions to 40 CFR part 63, according to the applicability of subpart A as identified in Table 1 of this subpart. These reports shall be made to the Administrator at the appropriate address as identified in §63.13 or to the delegated State authority.

(1) Reports required by subpart A of this part and this section may be sent by U.S. mail, fax, or by another courier.

(i) Submittals sent by U.S. mail shall be postmarked on or before the specified date.

(ii) Submittals sent by other methods shall be received by the Administrator on or before the specified date.

(2) If acceptable to both the Administrator and the owner or operator of an affected source, reports may be submitted on electronic media.

(b) The reporting requirements of this section apply to the owner or operator of an affected source when such source becomes subject to the provisions of this subpart.

(c) *Initial notifications.* (1) The owner or operator of an affected source that has an initial startup before January 25, 1995, shall notify the Administrator in writing that the source is subject to this subpart. The notification shall be submitted no later than 180 calendar days after January 25, 1995, and shall contain the following information:

(i) The name, title, and address of the owner or operator;

(ii) The address (i.e., physical location) of each affected source;

(iii) A statement that subpart N of this part is the basis for this notification;

(iv) Identification of the applicable emission limitation and compliance date for each affected source;

(v) A brief description of each affected source, including the type of process operation performed;

(ix) A statement of whether the affected source is located at a major source or an area source as defined in §63.2.

(e) *Notification of compliance status.* (1) A notification of compliance status is required each time that an affected source becomes subject to the requirements of this subpart.

(2) If the State in which the source is located has not been delegated the authority to implement the rule, each time a notification of compliance status is required under this part, the owner or operator of an affected source shall submit to the Administrator a notification of compliance status, signed by the responsible official (as defined in §63.2) who shall certify its accuracy, attesting to whether the affected source has complied with this subpart. If the State has been delegated the authority, the notification of compliance status shall be submitted to the appropriate authority. The notification shall list for each affected source:

(i) The applicable emission limitation and the methods that were used to determine compliance with this limitation;

(ii) If a performance test is required by this subpart, the test report documenting the results of the performance test, which contains the elements required by §63.344(a), including measurements and calculations to support the special compliance provisions of §63.344(e) if these are being followed;

(iii) The type and quantity of hazardous air pollutants emitted by the source reported in mg/dscm or mg/hr if the source is using the special provisions of §63.344(e) to comply with the standards. (If the owner or operator is subject to the construction and reconstruction provisions of §63.345 and had previously submitted emission estimates, the owner or operator shall state that this report corrects or verifies the previous estimate.) For sources not required to conduct a performance test in accordance with §63.343(b), the surface tension measurement may fulfill this requirement;

(iv) For each monitored parameter for which a compliant value is to be established under §63.343(c), the specific operating parameter value, or range of values, that corresponds to compliance with the applicable emission limit;

(v) The methods that will be used to determine continuous compliance, including a description of monitoring and reporting requirements, if methods differ from those identified in this subpart;

(vi) A description of the air pollution control technique for each emission point;

(vii) A statement that the owner or operator has completed and has on file the operation and maintenance plan as required by the work practice standards in §63.342(f);

(viii) If the owner or operator is determining facility size based on actual cumulative rectifier capacity in accordance with §63.342(c)(2), records to support that the facility is small. For existing sources, records from any 12-month period preceding the compliance date shall be used or a description of how operations will change to meet a small designation shall be provided. For new sources, records of projected rectifier capacity for the first 12-month period of tank operation shall be used;

(ix) A statement by the owner or operator of the affected source as to whether the source has complied with the provisions of this subpart.

(4) For sources that are not required to complete a performance test in accordance with §63.343(b), the notification of compliance status shall be submitted to the Administrator no later than 30 days after the compliance date specified in §63.343(a), except the date on which sources in California shall monitor the surface tension of the anodizing bath is extended to January 25, 1998.

(f) *Reports of performance test results.* (1) If the State in which the source is located has not been delegated the authority to implement the rule, the owner or operator of an affected source shall report to the Administrator the results of any performance test conducted as required by §63.7 or §63.343(b). If the State has been delegated the authority, the owner or operator of an affected source should report performance test results to the appropriate authority.

(2) Reports of performance test results shall be submitted no later than 90 days following the completion of the performance test, and shall be submitted as part of the notification of compliance status required by paragraph (e) of this section.

(h) *Ongoing compliance status reports for area sources.* The requirements of this paragraph do not alleviate affected area sources from complying with the requirements of State or Federal operating permit programs under 40 CFR part 71.

(1) The owner or operator of an affected source that is located at an area source site shall prepare a summary report to document the ongoing compliance status of the affected source. The report shall contain the information identified in paragraph (g)(3) of this section, shall be completed annually and retained on site, and made available to the Administrator upon request. The report shall be completed annually except as provided in paragraph (h)(2) of this section.

(2) *Reports of exceedances.* (i) If both of the following conditions are met, semiannual reports shall be prepared and submitted to the Administrator:

(A) The total duration of excess emissions (as indicated by the monitoring data collected by the owner or operator of the affected source in accordance with §63.343(c)) is 1 percent 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 5 percent or greater of the total operating time.

(ii) Once an owner or operator of an affected source reports an exceedance as defined in paragraph (h)(2)(i) of this section, ongoing compliance status reports shall be submitted semiannually until a request to reduce reporting frequency under paragraph (h)(3) of this section is approved.

(iii) The Administrator 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.

(3) *Request to reduce frequency of ongoing compliance status reports.* (i) An owner or operator who is required to submit ongoing compliance status reports on a semiannual (or more frequent) basis, or is required to submit its annual report instead of retaining it on site, may reduce the frequency of reporting to annual and/or be allowed to maintain the annual report onsite if all of the following conditions are met:

(A) For 1 full year (e.g., 2 semiannual or 4 quarterly reporting periods), the ongoing compliance status reports demonstrate that the affected source is in compliance with the relevant emission limit;

(B) The owner or operator continues to comply with all applicable recordkeeping and monitoring requirements of subpart A of this part and this subpart; and

(C) The Administrator does not object to a reduced reporting frequency for the affected source, as provided in paragraphs (h)(3) (ii) and (iii) of this section.

(ii) The frequency of submitting ongoing compliance status reports may be reduced only after the owner or operator notifies the Administrator in writing of his or her intention to make such a change, and the Administrator does not object to the intended change. In deciding whether to approve a reduced reporting frequency, the Administrator may review information concerning the source's previous performance history during the 5-year recordkeeping period prior to the intended change, or the recordkeeping period since the source's compliance date, whichever is shorter. Records subject to review may include performance test results, monitoring data, and evaluations of an owner or operator's conformance with emission limitations and work practice standards. Such information may be used by the Administrator to make a judgement about the source's potential for noncompliance in the future. If the Administrator disapproves the owner or operator's request to reduce reporting frequency, the Administrator will notify the owner or operator in writing within 45 days after receiving notice of the owner or operator's intention. The notification from the Administrator to the owner or operator will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.

(iii) As soon as the monitoring data required by §63.343(c) show that the source is not in compliance with the relevant emission limit, the frequency of reporting shall revert to semiannual, and the owner shall state

this exceedance in the ongoing compliance status report for the next reporting period. After demonstrating ongoing compliance with the relevant emission limit for another full year, the owner or operator may again request approval from the Administrator to reduce the reporting frequency as allowed by paragraph (h)(3) of this section.

**§ 63.348 Implementation and enforcement.**

(a) This subpart can be implemented and enforced by the U.S. EPA, or a delegated authority such as the applicable State, local, or Tribal agency. If the U.S. EPA Administrator has delegated authority to a State, local, or Tribal agency, then that agency, in addition to the U.S. EPA, has the authority to implement and enforce this subpart. Contact the applicable U.S. EPA Regional Office to find out if implementation and enforcement of this subpart is delegated to a State, local, or Tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or Tribal agency under subpart E of this part, the authorities contained in paragraph (c) of this section are retained by the Administrator of U.S. EPA and cannot be transferred to the State, local, or Tribal agency.

(c) The authorities that cannot be delegated to State, local, or Tribal agencies are as specified in paragraphs (c)(1) through (4) of this section.

(1) Approval of alternatives to the requirements in §§63.340, 63.342(a) through (e) and (g), and 63.343(a).

(2) Approval of major alternatives to test methods under §63.7(e)(2)(ii) and (f), as defined in §63.90, and as required in this subpart.

(3) Approval of major alternatives to monitoring under §63.8(f), as defined in §63.90, and as required in this subpart.

(4) Approval of major alternatives to recordkeeping and reporting under §63.10(f), as defined in §63.90, and as required in this subpart.

**§ 63.342 Standards.**

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(d) \*\*\*

(2) If a chemical fume suppressant containing a wetting agent is used, by not allowing the surface tension of the electroplating or anodizing bath contained within the affected source to exceed 45 dynes/cm ( $3.1 \times 10^{-3}$  lb<sub>f</sub>/ft) as measured by a stalagmometer or 35 dynes/cm ( $2.4 \times 10^{-3}$  lb<sub>f</sub>/ft) as measured by a tensiometer at any time during operation of the tank.

(f) \*\*\*

(2) \*\*\*

(ii) \*\*\*

(B) Fails to provide for the operation of the affected source, the air pollution control techniques, or the control system and process monitoring equipment during a malfunction in a manner consistent with good air pollution control practices; or

**§ 63.343 Compliance provisions.**

\*\*\*\*\*

(b) \*\*\*

(2) \*\*\*

(i) The affected source is a decorative chromium electroplating tank or a chromium anodizing tank; and

\* \* \*

(iii) The owner or operator complies with the applicable surface tension limit of Sec.63.342(d)(2) as demonstrated through the continuous compliance monitoring required by paragraph (c)(5)(ii) of this section.

(c) \* \* \*

(5) *Wetting agent-type or combination wetting agent-type/foam blanket fume suppressants.* (i) During the initial performance test, the owner or operator of an affected source complying with the emission limitations in §63.342 through the use of a wetting agent in the electroplating or anodizing bath shall determine the outlet chromium concentration using the procedures in §63.344(c). The owner or operator shall establish as the site-specific operating parameter the surface tension of the bath using Method 306B, appendix A of this part, setting the maximum value that corresponds to compliance with the applicable emission limitation. In lieu of establishing the maximum surface tension during the performance test, the owner or operator may accept 45 dynes/cm as measured by a stalagmometer or 35 dynes/cm as measured by a tensiometer as the maximum surface tension value that corresponds to compliance with the applicable emission limitation. However, the owner or operator is exempt from conducting a performance test only if the criteria of paragraph (b)(2) of this section are met.

(ii) On and after the date on which the initial performance test is required to be completed under §63.7, except for hard chromium electroplaters and chromium anodizing operations in California, which have until January 25, 1998, the owner or operator of an affected source shall monitor the surface tension of the electroplating or anodizing bath. Operation of the affected source at a surface tension greater than the value established during the performance test, or greater than 45 dynes/cm as measured by a stalagmometer or 35 dynes/cm as measured by a tensiometer if the owner or operator is using this value in accordance with paragraph (c)(5)(i) of this section, shall constitute noncompliance with the standards. The surface tension shall be monitored 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 this part.

(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 measurement 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 subpart 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 (c)(5)(ii)(B) of this section. For example, if an owner or operator had been monitoring an affected source 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.

## SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

(a) Plant 1: Williamson Polishing & Plating Co., Inc.:

- (1) One (1) Superior natural gas fueled boiler, constructed in August 2003, with a heat input rate of 6.3 MMBtu per hour, identified as SB 01.

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

### Emission Limitations and Standards

#### D.2.1 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)

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Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions from SB 01 shall be limited to 0.60 pounds per MMBtu. The particulate emissions were based on the following equation:

$$Pt = 1.09 / Q^{0.26}$$

Where:

Pt = Pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input.

Q = Total source maximum operating capacity rating in million Btu per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used. Q for SB 01 equals 6.3 MMBtu/hr.

For Q less than 10 MMBtu/hr, Pt shall not exceed 0.6.

## SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (f) One (1) cold cleaner degreasing operation utilizing 24.5 gallons per year of mineral spirits, identified as DG-1.

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

### Emission Limitations and Standards

#### D.3.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-5(a)]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), 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°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 as a refrigerated chiller or 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 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.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
and  
INDIANAPOLIS OES  
AIR COMPLIANCE**

**MINOR SOURCE OPERATING PERMIT (MSOP)  
CERTIFICATION**

**Source Name:** Williamson Polishing & Plating Co., Inc.  
**Source Address:** Plant 1: 2080 Dr. Andrew J. Brown Drive, Indianapolis, IN 46202  
Plant 2: 2064 Columbia Avenue, Indianapolis, IN 46202  
Plant 3: 2221 Yandes Street, Indianapolis, IN 46202  
**Mailing Address:** 2080 Dr. Andrew J. Brown Drive, Indianapolis, Indiana 46202  
**MSOP No.:** M097-21267-00371

**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 Notification
- 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:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF AIR QUALITY  
 COMPLIANCE DATA SECTION  
 AND INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES  
 MINOR SOURCE OPERATING PERMIT  
 CHROMIUM ELECTROPLATING NESHAP  
 ONGOING COMPLIANCE STATUS REPORT**

Source Name: **Williamson Polishing & Plating Co., Inc.**  
 Source Address: **Plant 1: 2080 Dr. Andrew J. Brown Drive, Indianapolis, IN 46202  
 Plant 2: 2064 Columbia Avenue, Indianapolis, IN 46202  
 Plant 3: 2221 Yandes Street, Indianapolis, IN 46202**  
 Mailing Address: **2080 Dr. Andrew J. Brown Drive, Indianapolis, IN 46202**  
 Minor Source Operating Permit No.: **097-21267-00371**

Tank ID #: A-9, C-18, C-25, and Tank 1  
 Type of process: Decorative  
 Monitoring Parameter: Surface tension of the electroplating bath  
 Parameter Value: 45 dynes per centimeter  
 Limits: Total chromium concentration may not exceed 0.01 mg/dscm if the chromium electroplating bath does not meet 45 dynes per centimeter.

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

**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:

<b>MAJOR AND AREA SOURCES: CHECK ONE</b>	
9	NO DEVIATIONS OF THE MONITORING PARAMETER ASSOCIATED WITH THIS TANK FROM THE COMPLIANT VALUE OR RANGE OF VALUES OCCURRED DURING THIS REPORTING PERIOD.
9	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).

<b>AREA (I.E., NON-MAJOR) SOURCES OF HAP ONLY:</b> 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

<b>HARD CHROME TANKS / MAXIMUM RECTIFIER CAPACITY LIMITED IN ACCORDANCE WITH 40 CFR 63.342(c)(2) ONLY:</b> 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
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## CHROMIUM ELECTROPLATING 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  
AND INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES**

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

<b>Company Name:</b>	<b>Williamson Polishing &amp; Plating Co., Inc.</b>
<b>Address:</b>	<b>Plant 1: 2080 Dr. Andrew J. Brown Drive, Indianapolis, IN 46202 Plant 2: 2064 Columbia Avenue, Indianapolis, IN 46202 Plant 3: 2221 Yandes Street, Indianapolis, IN 46202</b>
<b>City:</b>	<b>Indianapolis, IN 46202</b>
<b>Phone #:</b>	<b>(317) 925-5581</b>
<b>MSOP #:</b>	<b>097-21267-00371</b>

I hereby certify that Williamson Polishing & Plating Co., Inc. is

- still in operation.  
 no longer in operation.

I hereby certify that Williamson Polishing & Plating Co., Inc. is

- in compliance with the requirements of MSOP **097-21267-00371**.  
 not in compliance with the requirements of MSOP **097-21267-00371**.

<b>Authorized Individual (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

<b>Noncompliance:</b>



**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION  
FAX NUMBER – 317-233-6865**

and

**AND INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES  
AIR COMPLIANCE  
FAX NUMBER – 317-327-2274**

**MALFUNCTION REPORT**

PAGE 1 OF 2

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6  
and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ? \_\_\_\_\_, 25 TONS/YEAR SULFUR DIOXIDE ? \_\_\_\_\_, 25 TONS/YEAR NITROGEN OXIDES? \_\_\_\_\_, 25 TONS/YEAR VOC ? \_\_\_\_\_, 25 TONS/YEAR HYDROGEN SULFIDE ? \_\_\_\_\_, 25 TONS/YEAR TOTAL REDUCED SULFUR ? \_\_\_\_\_, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ? \_\_\_\_\_, 25 TONS/YEAR FLUORIDES ? \_\_\_\_\_, 100TONS/YEAR CARBON MONOXIDE ? \_\_\_\_\_, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ? \_\_\_\_\_, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ? \_\_\_\_\_, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ? \_\_\_\_\_, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ? \_\_\_\_\_. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION \_\_\_\_\_.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC \_\_\_\_\_ OR, PERMIT CONDITION # \_\_\_\_\_ AND/OR PERMIT LIMIT OF \_\_\_\_\_

THIS INCIDENT MEETS THE DEFINITION OF >MALFUNCTION= AS LISTED ON REVERSE SIDE ?    Y        N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ?    Y        N

COMPANY: \_\_\_\_\_ PHONE NO. (    ) \_\_\_\_\_  
LOCATION: (CITY AND COUNTY) \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_ AFS PLANT ID: \_\_\_\_\_ AFS POINT ID: \_\_\_\_\_ INSP: \_\_\_\_\_  
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: \_\_\_\_\_

DATE/TIME MALFUNCTION STARTED: \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: \_\_\_\_\_

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/19\_\_\_\_    \_\_\_\_\_ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: \_\_\_\_\_

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: \_\_\_\_\_

MEASURES TAKEN TO MINIMIZE EMISSIONS: \_\_\_\_\_

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS: \_\_\_\_\_

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_

**\*SEE PAGE 2**

INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

MALFUNCTION REPORTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

**Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.**

**326 IAC 1-6-1 Applicability of rule**

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

**326 IAC 1-2-39 "Malfunction" definition**

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

**\*Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Indiana Department of Environmental Management  
Office of Air Quality  
and  
City of Indianapolis  
Office of Environmental Services**

Addendum to the Technical Support Document  
for a Minor Source Operating Permit Renewal

**Source Name:** Williamson Polishing & Plating Co., Inc.  
**Source Location:** Plant 1: 2080 Dr. Andrew J. Brown Drive, Indianapolis, 46202  
Plant 2: 2064 Columbia Avenue, Indianapolis, 46202  
Plant 3: 2221 Yandes Street, Indianapolis, IN 46202  
**County:** Marion  
**SIC Code:** 3471  
**Operation Permit No.:** M097-11723-00371  
**Operation Permit Issuance Date:** August 8, 2000  
**Permit Renewal No.:** M097-21267-00371  
**Permit Reviewer:** Monica Doyle

On March 28, 2007, the Office of Air Quality (OAQ) and the Office of Environmental Services (OES) had a notice published in the Indianapolis Star, Indianapolis, Indiana, stating that Williamson Polishing & Plating Co., Inc. had applied for a Minor Source Operating Permit (MSOP) Renewal to a decorative chromium electroplating operation. The notice also stated that OAQ and OES proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On April 25, 2007 Williamson Polishing & Plating Co., Inc. submitted comments on the draft MSOP Renewal. Upon further review, the OAQ and OES have decided to make the following revisions to the MSOP Renewal. The TSD will remain as it originally appeared when published. Changes to technical support material that occur after the permit has been published for public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision. Bolded language has been added and the language with ~~strikeout~~ has been deleted. The Table of Contents has been modified to reflect these changes.

The comments and responses, including changes to the permit, are as follows:

**Comment 1:**

The source requested that the three (3) companies owned and operated by the Williamson family be collocated.

**Response 1:**

**Source Status**

IDEM, OAQ has determined that Williamson Polishing & Plating Co., Inc. (Williamson), 2080 Dr. Andrew J. Brown Drive, Indianapolis, Progressive Plating Co. Inc. (Progressive), 2064 Columbia Avenue, Indianapolis and Production Plating Co., Inc. (Production), 2221 Yandes, Indianapolis,

are part of the same source. The term "source" is defined by rule at 326 Indiana Administrative Code (IAC) 2-2-73. In order for these plants to be considered one source, they must meet all three of the following criteria:

- (1) the plants must be under common ownership or common control;
- (2) the plants must have the same two-digit Standard Industrial Classification (SIC) Code as described in the Standard Industrial Classification Manual of 1987 or one must serve as a support facility for the other plants; and,
- (3) the plants must be located on contiguous or adjacent properties.

All three plants are 100% owned by the Williamson family, but no family member owns more than 10% of each plant. All three plants have the same manager, who is responsible for the day to day operation of each of the three plants. Each plant sends about 1% of its total output to each of the other two plants. If one plant is unable to finish a customer's order, one of the other plants will complete the order. All three plants have the same two digit Standard Industrial Classification Code, 34, and also share the same four digit SIC code, 3471 for Electroplating, Plating, Polishing, Anodizing, and Coloring. The Williamson and Progressive plants are separated only by a public right of way. The Production plant is located three tenths of a mile from the other two plants.

IDEM, OAQ determined that the three plants are under common control, since one person controls the operation of all three plants. Common control is also shown by the manner in which the plants provide support to each other and work together. The three plants meet the second requirement of the rule, since they have the same two-digit SIC Code. The plants meet the third rule requirement, since two of the plants are separated only by a city street and the third plant is only three tenths of a mile from the other two.

### Emission Calculations

Chromium emissions (Single HAP) from the biggest chromium electroplating source in Indiana are less than ten (10) tons per year and Williamson Polishing and Plating Company, Inc. is a much smaller source in comparison. Therefore, no chromium emission calculations were necessary for the chromium electroplating because the chromium emissions from this source will be less than ten (10) tons per year.

Collocation of Williamson, Production, and Progressive will not result in chromium emissions greater than ten (10) tons per year, and the potential to emit of all criteria pollutants is less than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. An MSOP will be issued.

<b>Pollutant</b>	<b>Existing Emission Units, Prior to Revision</b>	<b>Existing and New Emission Units, After Revision</b>
PM	0.07	<b>0.07</b>
PM-10	0.28	<b>0.30</b>
SO <sub>2</sub>	Negligible	<b>Negligible</b>
VOC	0.22	<b>0.30</b>
CO	3.09	<b>3.36</b>
NO <sub>x</sub>	3.68	<b>4.00</b>

See Addendum to Appendix A of this document (pages 1 through 3) for updated emission calculations.

## New Emission Units

The source will move emission units from Production Plating Co., Inc., located at 2221 Yandes Street, Indianapolis, IN, to Progressive Plating Co., Inc., located at 2064 Columbia Avenue, Indianapolis, IN. There are currently no emission units located at 2064 Columbia Avenue, Indianapolis, IN. After the move there will be no emitting units at 2221 Yandes Street. The following equipment will be relocated:

- (1) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 3,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as Tank 1;
- (2) Four (4) natural gas fueled furnaces in non-production areas, combined maximum heat input rate of 0.6 MMBtu per hour, identified as natural gas furnaces #1 - #4.

In addition, Williamson Polishing & Plating Co., Inc. has replaced the 8.4 MMBtu boiler with a new, 6.33 MMBtu boiler. Because the new boiler was constructed after September 21, 1983, it will be subject to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating).

Pursuant to 326 IAC 2-6.1-6(d)(13), these changes would be considered a Notice-Only Change to an MSOP.

## Changes to Permit

Sections A and D of the MSOP will change as follows:

### A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a stationary decorative chromium electroplating operation.

<b>Source Address:</b>	<b>Plant 1: 2080 Dr. Andrew J. Brown Drive, Indianapolis, 46202</b> <b>Plant 2: 2064 Columbia Avenue, Indianapolis, 46202</b> <b>Plant 3: 2221 Yandes Street, Indianapolis, IN 46202</b>
Mailing Address:	2080 Dr. Andrew J. Brown Drive
General Source Phone No.:	(317) 925-5581
SIC Code:	3471
County Location:	Marion
Source Location Status:	Nonattainment for 8-hour ozone and PM-2.5 Attainment for all other criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules

### A.2 Source Definition

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**This decorative chromium electroplating operation consists of three (3) plants:**

- (a) **Plant 1, Williamson Polishing & Plating Co., Inc., is located at Dr. Andrew J. Brown Drive, Indianapolis, 46202;**
- (b) **Plant 2, Progressive Plating Co., Inc., is located at 2064 Columbia Avenue, Indianapolis, 46202; and**
- (c) **Plant 3, Production Plating Co., Inc., is located at 2221 Yandes Street, Indianapolis, IN 46202**

**Since the three (3) plants are located on contiguous or adjacent properties, belong to the same industrial grouping, and are under common control of the same entity, they will be considered one (1) source, effective from the date of issuance of this Minor Source Operating Permit.**

**A.2 ~~Emission Units and Pollution Control Equipment Summary~~**

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

- ~~(a) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 2,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as A-9;~~
- ~~(b) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-18;~~
- ~~(c) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-25;~~
- ~~(d) Eleven (11) natural gas fueled furnaces, combined maximum heat input rate of 2.24 mmBtu per hour, identified as A-01, A-02, A-03, B-01, B-02, C-01, D-01, D-02, D-03, D-04 and Office;~~
- ~~(e) One (1) natural gas fueled boiler, constructed prior to 1971, with a heat input rate of 8.4 mmBtu per hour, identified as Ray 200.~~
- ~~(f) One (1) cold cleaner degreasing operation, constructed prior to 1976, utilizing 24.5 gallons per year of mineral spirits, identified as DG-1;~~

**A.3 ~~Emission Units and Pollution Control Equipment Summary~~**

---

~~This stationary source is approved to operate the following emissions units and pollution control devices:~~

- (a) Plant 1: Williamson Polishing & Plating Co., Inc.:**
  - (1) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 2,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as A-9;**
  - (2) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-18;**
  - (3) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-25;**

- (4) Eleven (11) natural gas fueled furnaces, combined maximum heat input rate of 2.24 MMBtu per hour, identified as A-01, A-02, A-03, B-01, B-02, C-01, D-01, D-02, D-03, D-04 and Office;
  - (5) One (1) Superior natural gas fueled boiler, constructed in August 2003, with a heat input rate of 6.3 MMBtu per hour, identified as SB 01.
  - (6) One (1) cold cleaner degreasing operation, constructed prior to 1976, utilizing 24.5 gallons per year of mineral spirits, identified as DG-1;
- (b) Plant 2: Progressive Plating Co., Inc.:
- (1) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 3,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as Tank 1;
  - (2) Four (4) natural gas fueled furnaces in non-production areas, combined maximum heat input rate of 0.6 MMBtu per hour, identified as natural gas furnaces #1 - #4.

#### SECTION D.1

#### EMISSIONS UNIT OPERATION CONDITIONS

##### **Emissions Unit Description:**

- (a) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 2,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as A-9;
- (b) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-18;
- (c) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-25;

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

**Emissions Unit Description:**

**(a) Plant 1: Williamson Polishing & Plating Co., Inc.:**

- (1) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 2,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as A-9;**
- (2) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-18;**
- (3) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-25;**

**(b) Plant 2: Progressive Plating Co., Inc.:**

- (1) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 3,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as Tank 1;**

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

**Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]**

**D.1.1 Preventive Maintenance Plan [326 IAC 1-6-3]**

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for tanks A-9, C-18, and C-25, **and Tank 1**.

**National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements**

**D.1.2 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]**

- (a) Pursuant to 40 CFR 63.340, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1 for the decorative chrome electroplating tanks, identified as A-9, C-18, and C-25, **and Tank 1**, as specified in Appendix A of 40 CFR Part 63, Subpart N in accordance with schedule in 40 CFR 63 Subpart N.**
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports 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

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis Indiana 46221

**D.1.3 National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks Requirements [40 CFR Part 63, Subpart N]**

Pursuant to 40 CFR Part 63, Subpart N, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart N, for the decorative chrome electroplating tanks, identified as A-9, C-18, and C-25, **and Tank 1**, as specified as follows.

**SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

~~(e) One (1) natural gas fueled boiler, constructed prior to 1971, with a heat input rate of 8.4 MMBtu per hour, identified as Ray 200.~~

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

**Emission Limitations and Standards**

~~D.2.1 Particulate Matter (PM) [326 IAC 6-2-2]~~

~~Pursuant to 326 IAC 6-2-2 (Particulate Emissions Limitations for Sources of Indirect Heating), particulate emissions from indirect heating facility, Ray 200, shall not exceed 0.6 pounds per million Btu (lbs/MMBtu).~~

**SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

**(a) Plant 1: Williamson Polishing & Plating Co., Inc.:**

**(1) One (1) Superior natural gas fueled boiler, constructed in August 2003, with a heat input rate of 6.3 MMBtu per hour, identified as SB 01.**

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

**Emission Limitations and Standards**

**D.2.1 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)**

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions from SB 01 shall be limited to 0.60 pounds per MMBtu. The particulate emissions were based on the following equation:

$$Pt = 1.09 / Q^{0.26}$$

**Where:**

**Pt = Pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input.**

**Q = Total source maximum operating capacity rating in million Btu per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used. Q for SB 01 equals 6.3 MMBtu/hr.**

**For Q less than 10 MMBtu/hr, Pt shall not exceed 0.6.**

**IDEM, OAQ and OES Change 1:**

IDEM has decided to insert Mail Codes into their mailing addresses. These have been changed throughout the permit as follows:

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

**IDEM, OAQ and OES Change 2:**

The July 1, 2006 version of the Code of Federal Regulations was incorporated by reference into 326 IAC 1-1-3 and became effective on May 27, 2007. The July 1, 2006 version of 40 CFR Part 63, Subpart N, has now been incorporated into 326 IAC 20-8. Permit condition D.1.4 is being removed from the permit as follows:

~~D.1.4 State Only National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks Requirements [326 IAC 20-8]~~

---

~~Pursuant to 326 IAC 20-8, the Permittee shall comply with the provisions of the July 1, 2005 version of 40 CFR Part 63, Subpart N, which are incorporated by reference as 326 IAC 20-8, for decorative chromium electroplating tanks, identified as A-19, C-18, and C-25. The Permittee shall comply with the provisions of 40 CFR Part 63, Subpart N, as listed in condition D.1.3, except the Permittee shall follow the more stringent requirements of the July 19, 2004 version, as incorporated into 326 IAC 20-8, as specified as follows.~~

**Addendum to Appendix A: Emissions Calculations**  
**Degreasing Operations**  
**VOC & HAP Emissions**

Page 1 of 3 TSD Addendum, App A

**Company Name:** Williamson Polishing & Plating Co., Inc.  
**Source Location:** Plant 1: 2080 Dr. Andrew J. Brown Drive, Indianapolis, IN 46202  
Plant 2: 2064 Columbia Avenue, Indianapolis, IN 46202  
Plant 3: 2221 Yandes Street, Indianapolis, IN 46202  
**Permit Number:** M097-21267-00371  
**Reviewer:** Monica Doyle  
**Date:** October 4, 2006

Throughput of 24.5 gallons/year of Mineral Spirits

Solvent Density 6.58 lbs/gal

$$(24.5\text{gal/yr})(6.58\text{ lb/gal})(1\text{ ton}/2000\text{ lbs}) = 0.08\text{ tons/year}$$

**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100**

**Company Name:** Williamson Polishing & Plating Co., Inc.  
**Source Location:** Plant 1: 2080 Dr. Andrew J. Brown Drive, Indianapolis, IN 46202  
 Plant 2: 2064 Columbia Avenue, Indianapolis, IN 46202  
 Plant 3: 2221 Yandes Street, Indianapolis, IN 46202  
**Permit Number:** M097-21267-00371  
**Reviewer:** Monica Doyle  
**Date:** June 1, 2007

Heat Input Capacity  
MMBtu/hr

Potential Throughput  
MMCF/yr

9.14

80.07

Heat input capacity = 15 natural gas fueled furnaces with combined maximum heat input rate of 2.84 MMBtu/hr, and 1 boiler @ 6.3 MMBtu/hr.

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.90	7.60	0.60	100.00	5.50	84.00
				**see below		
Potential Emission in tons/yr	0.076	0.304	0.024	4.003	0.220	3.363

\*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

\*\*Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See next page for HAPs emissions calculations.

**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100**

**HAPs Emissions**

**Company Name:** Williamson Polishing & Plating Co., Inc.  
**Source Location:** Plant 1: 2080 Dr. Andrew J. Brown Drive, Indianapolis, IN 46202  
 Plant 2: 2064 Columbia Avenue, Indianapolis, IN 46202  
 Plant 3: 2221 Yandes Street, Indianapolis, IN 46202  
**Permit Number:** M097-21267-00371  
**Reviewer:** Monica Doyle  
**Date:** October 4, 2006

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	8.407E-05	4.804E-05	3.002E-03	7.206E-02	1.361E-04

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	2.002E-05	4.404E-05	5.605E-05	1.521E-05	8.407E-05

Methodology is the same as previous page.

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Indiana Department of Environmental Management  
Office of Air Quality  
and  
City of Indianapolis, Office of Environmental Services**

**Technical Support Document (TSD) for a  
Minor Source Operating Permit Renewal**

**Source Background and Description**

<b>Source Name:</b>	<b>Williamson Polishing &amp; Plating Co., Inc.</b>
<b>Source Location:</b>	<b>2080 Dr. Andrew J. Brown Ave., Indianapolis, 46202</b>
<b>County:</b>	<b>Marion</b>
<b>SIC Code:</b>	<b>3471</b>
<b>Operation Permit No.:</b>	<b>M097-11723-00371</b>
<b>Operation Permit Issuance Date:</b>	<b>August 8, 2000</b>
<b>Permit Renewal No.:</b>	<b>M097-21267-00371</b>
<b>Permit Reviewer:</b>	<b>Monica Doyle</b>

The Indiana Department of Environmental Management (IDEM) Office of Air Quality (OAQ) and Indianapolis Office of Environmental Services (OES) have reviewed an application from Williamson Polishing & Plating Co., Inc. relating to the operation of a decorative chromium electroplating operation.

**Permitted Emission Units and Pollution Control Equipment**

The source consists of the following permitted emission units and pollution control devices:

- (a) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 2,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as A-9;
- (b) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-18;
- (c) One (1) decorative chromium electroplating operation consisting of one (1) decorative chromium electroplating tank, constructed prior to 1982, with a maximum capacity of 4,000 amps, using a hexavalent chromium bath, equipped with a wetting agent fume suppressant, identified as C-25;
- (d) Eleven (11) natural gas fueled furnaces, combined maximum heat input rate of 2.24 mmBtu per hour, identified as A-01, A-02, A-03, B-01, B-02, C-01, D-01, D-02, D-03, D-04 and Office;
- (e) One (1) natural gas fueled boiler, constructed prior to 1971, with a heat input rate of 8.4 mmBtu per hour, identified as Ray 200.
- (f) One (1) cold cleaner degreasing operation, constructed prior to 1976, utilizing 24.5 gallons per year of mineral spirits, identified as DG-1;

## **Unpermitted Emission Units and Pollution Control Equipment**

There are no unpermitted emission units operating at this source during this review process.

## **Existing Approvals**

The source has been operating under previous approvals including, but not limited to, the following:

- (a) 097-11723-00371, Minor Source Operating Permit, issued on August 8, 2000.

All conditions from previous approvals were incorporated into this permit.

## **Enforcement Issue**

There are no enforcement actions pending.

## **Recommendation**

The staff recommends to the Administrator that the operation be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

A complete application for the purposes of this review was received on May 9, 2005.

## **Emission Calculations**

Chromium emissions (Single HAP) from the biggest chromium electroplating source in Indiana are less than ten (10) tons per year and Williamson Polishing and Plating Company, Inc. is a much smaller source in comparison. Therefore, no chromium emission calculations were necessary for the chromium electroplating because the chromium emissions from this source will be less than ten (10) tons per year.

The particulate from the chromium electroplating tanks is calculated as follows (based on AP-42, Table 12.20-1):

Potential PM/PM10 emissions (lbs/hr) =  $0.069 \text{ gr/A-hr} \times 11,760,000 \text{ A-hr/yr} \times 1 \text{ lb/7000 gr} \times 1 \text{ ton/2000 lb} = 0.058 \text{ tons/yr}$

See Appendix A of this document (pages 1 through 3) for additional emission calculations.

## **Unrestricted Potential Emissions**

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA, the department, or the appropriate local air pollution control agency.”

Pollutant	Potential to Emit (tons/yr)
PM	0.07
PM-10	0.28
SO <sub>2</sub>	Negligible
VOC	0.28
CO	3.09
NO <sub>x</sub>	3.68

HAPs	Potential to Emit (tons/yr)
Chromium	<10
Combination of HAPS	<25

- (a) The potential to emit of all criteria pollutants is less than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. An MSOP will be issued.
- (b) The potential to emit of any single HAP is less than ten (10) tons per year and/or the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source is not a major source of HAPs as defined in 326 IAC 2-7-1(22).
- (c) Although this existing source is subject to 326 IAC 20-8, it is not subject to 326 IAC 2-5.5-1(b)(2) (Registration) because the source uses hexavalent chromium for decorative coating instead of trivalent chromium and the source emits less than major source levels (see statement (b) above). Therefore, the source is subject to the provisions of 326 IAC 2-6.1-3(e).
- (d) **Fugitive Emissions**  
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

**County Attainment Status**

The source is located in Marion County.

Pollutant	Status
PM-2.5	non-attainment
PM-10	attainment
SO <sub>2</sub>	maintenance attainment
NO <sub>2</sub>	attainment
8-hour Ozone	basic nonattainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Marion

County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

- (b) Marion County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of Emission Offset, 326 IAC 2-3.
- (c) Marion County has been classified as attainment or unclassifiable for PM10, SO<sub>2</sub>, CO and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

### Potential to Emit After Issuance

Existing Source PSD, Part 70, or FESOP Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Potential to Emit (tons/yr)
PM	0.07
PM-10	0.28
SO <sub>2</sub>	Negligible
VOC	0.28
CO	3.09
NO <sub>x</sub>	3.68

HAPs	Potential to Emit (tons/yr)
Chromium	<10.0
Combination of HAPS	<25

- (a) This existing source is **not** a major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater, no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or greater and it is not in one of the 28 listed source categories.

### Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source, including the emissions from this permit 097-21267-00371, is still not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons per year.

This status is based on all the air approvals issued to the source. This status has been verified by OES inspector assigned to the source.

### Federal Rule Applicability

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

- (b) This source is subject to the National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks (40 CFR 63, Subpart N), which is incorporated by reference as 326 IAC 20-8. Pursuant to 40 CFR 63.340, the affected source to which the provisions of this subpart apply is each chromium electroplating or chromium anodizing tank at facilities performing hard chromium electroplating, decorative chromium electroplating, or chromium anodizing. Therefore, the decorative chromium electroplating tanks, identified as A-19, C-18, and C-25, which are considered to be existing small decorative electroplating operations at an area source, are subject to this rule.

The decorative chromium electroplating tanks, identified as A-19, C-18, and C-25, use a chromic acid bath located at an existing decorative chromium electroplating source. The Permittee uses a chemical fume suppressant for control. The surface tension is measured to show compliance. Since the Permittee has accepted 45 dynes/cm as the maximum surface tension value that corresponds with the applicable emission limitation and uses a wetting agent in the plating bath, the Permittee is not required to conduct a performance test.

Non-applicable portions of the NESHAP will not be included in the permit. The decorative chromium electroplating tanks, identified as tanks A-19, C-18, and C-25, are subject to the following portions of Subpart N.

- (1) 40 CFR 63.340 (a)
- (2) 40 CFR 63.340 (b)
- (3) 40 CFR 63.340 (c)
- (4) 40 CFR 63.340 (e)
- (5) 40 CFR 63.341
- (6) 40 CFR 63.342 (a)
- (7) 40 CFR 63.342 (b)(1)
- (8) 40 CFR 63.342 (d)(1)
- (9) 40 CFR 63.342 (d)(2)
- (10) 40 CFR 63.342 (f)(1)
- (11) 40 CFR 63.342 (f)(2)
- (12) 40 CFR 63.342 (f)(3)(i)(A)
- (13) 40 CFR 63.342 (f)(3)(i)(B)
- (14) 40 CFR 63.342 (f)(3)(i)(C)
- (15) 40 CFR 63.342 (f)(3)(i)(D)
- (16) 40 CFR 63.342 (f)(3)(i)(E)
- (17) 40 CFR 63.342 (f)(3)(ii)
- (18) 40 CFR 63.342 (f)(3)(iii)
- (19) 40 CFR 63.342 (f)(3)(iv)
- (20) 40 CFR 63.342 (f)(3)(v)
- (21) 40 CFR 63.342 (f)(3)(vi)
- (22) 40 CFR 63.342 (g)
- (23) Table 1 – Stalagmometer Requirement
- (24) 40 CFR 63.343 (a)(1)(i)
- (25) 40 CFR 63.343 (a)(3)
- (26) 40 CFR 63.343 (a)(6)
- (27) 40 CFR 63.343 (b)(2)(i)
- (28) 40 CFR 63.343 (b)(2)(ii)
- (29) 40 CFR 63.343 (b)(2)(iii)
- (30) 40 CFR 63.343 (c)(5)
- (31) 40 CFR 63.346 (a)
- (32) 40 CFR 63.346 (b)(1)
- (33) 40 CFR 63.346 (b)(2)

- (34) 40 CFR 63.346 (b)(3)
- (35) 40 CFR 63.346 (b)(4)
- (36) 40 CFR 63.346 (b)(5)
- (37) 40 CFR 63.346 (b)(6)
- (38) 40 CFR 63.346 (b)(7)
- (39) 40 CFR 63.346 (b)(8)
- (40) 40 CFR 63.346 (b)(9)
- (41) 40 CFR 63.346 (b)(10)
- (42) 40 CFR 63.346 (b)(11)
- (43) 40 CFR 63.346 (b)(13)
- (44) 40 CFR 63.346 (b)(16)
- (45) 40 CFR 63.346 (c)
- (46) 40 CFR 63.347 (a)
- (47) 40 CFR 63.347 (b)
- (48) 40 CFR 63.347 (c)(1)(i)
- (49) 40 CFR 63.347 (c)(1)(ii)
- (50) 40 CFR 63.347 (c)(1)(iii)
- (51) 40 CFR 63.347 (c)(1)(iv)
- (52) 40 CFR 63.347 (c)(1)(v)
- (53) 40 CFR 63.347 (c)(1)(ix)
- (54) 40 CFR 63.347 (e)(1)
- (55) 40 CFR 63.347 (e)(2)
- (56) 40 CFR 63.347 (e)(4)
- (57) 40 CFR 63.347 (f)
- (58) 40 CFR 63.347 (h)
- (59) 40 CFR 63.348

The provisions of 40 CFR 63 Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63 Subpart N.

#### **State Rule Applicability – Entire Source**

##### **326 IAC 2-2 (Prevention of Significant Deterioration(PSD))**

This source is not a major source. This source is not one (1) of the twenty-eight (28) listed source categories. The potential to emit each criteria pollutant from the entire source is less than 250 tons per year. Therefore, this source is a minor source and the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) are not applicable.

##### **326 IAC 2-3 (Emission Offset)**

Marion County has been designated as basic nonattainment for the 8-hour ozone standard. The potential to emit of NO<sub>x</sub> and VOC from this source is less than 100 tons per year for each pollutant. Therefore, the requirements of 326 IAC 2-3 do not apply.

##### **326 IAC 2-6 (Emission Reporting)**

Pursuant to 326 IAC 2-6-1(a)(1), (2), and (3), this source is not subject to 326 IAC 2-6 (Emission Reporting) because, as an MSOP source, it is not required to have an operating permit under 326 IAC 2-7, it does not emit lead into the ambient air at levels equal to or greater than five (5) tons per year, and it is not located in Lake or Porter Counties.

##### **326 IAC 5-1 (Opacity Limitations)**

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

- (a) Opacity shall not exceed an average of 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.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants – New source toxics control)

This source is not a major source of HAPs, and will emit less than ten (10) tons per year of a single HAP or twenty-five (25) tons per year of a combination of HAPs, therefore 326 IAC 2-4.1 does not apply.

326 IAC 6-5.1-1 (Particulate Matter Limitations except Lake County)

Although the source is located in Marion County, it does not have the potential to emit 100 tons per year or greater of particulate matter, and/or actual emissions of 10 tons or more per year of particulate matter. In addition, the source has combustion units that burn only natural gas, and is not one of the sources listed in 326 IAC 6.5-6 (formerly 326 IAC 6-1-12), therefore 326 IAC 6.5-1-1 (formerly 6-1), does not apply.

**State Rule Applicability – Individual Facilities**

326 IAC 6-2 (Particulate Emissions Limitations for Sources of Indirect Heating)

- (a) The boiler, identified as emission Ray 200, is subject to the provisions of 326 IAC 6-2-2 because it is a source of indirect heat and is located in Marion County and was constructed prior to September 21, 1983. Particulate emissions from indirect heating facility, Ray 200, shall be limited by the following equation:

$$Pt = 0.87/Q^{0.16}$$

where Pt = Pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input.

Q = Maximum operating capacity rating in million Btu per hour (MMBtu/hr) heat input.

For Q less than 10 million Btu per hour (MMBtu/hr), Pt shall not exceed 0.60. Maximum operating capacity for Ray 200 is less than 10 million Btu per hour (MMBtu/hr). Therefore, particulate matter emissions from the boiler, Ray 200, shall not exceed 0.6 pounds per million Btu (lbs/MMBtu).

326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control (VOC))

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control, for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990), the Permittee 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<sup>o</sup>C) (one hundred degrees Fahrenheit (100<sup>o</sup>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<sup>o</sup>C) (one hundred degrees Fahrenheit (100<sup>o</sup>F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9<sup>o</sup>C) (one hundred twenty degrees Fahrenheit (120<sup>o</sup>F)):
    - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
    - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
    - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or 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 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.

**326 IAC 20-8-1 (Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks)**

The decorative chromium electroplating tanks, identified as A-19, C-18, and C-25, are subject to 326 IAC 20-8-1 (Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks). 326 IAC 20-8 incorporates by reference 40 CFR 63 Subpart N. The Permittee will comply with the provisions of 40 CFR 63 Subpart N as detailed in the Federal Rule Applicability section above.

Pursuant to 326 IAC 1-1-3, the version of the federal rules referenced by 326 IAC 20-8 was the version in existence on July 1, 2005. The December 19, 2005 amendments to the federal rule

are not approved into the Indiana SIP, and the chromium electroplating operations are still subject to the previous version of the rule, as well as the amended version addressed under the Federal Rule Applicability section of this document. When the revised rule is incorporated into the 326 IAC, the Permittee may apply for a revision to the permit to remove any requirements from the previous version of the rule that are not present in the updated version of the rule. All of the requirements of 326 IAC 20-8 rule that are applicable to this source are the same as the requirements listed under the Federal Rule Applicability Determination section except for the following:

40 CFR 63.343 (b)(2)(I) and (b)(2)(iii), and (c)(5).

## **Conclusion**

The operation of this decorative hexavalent chrome electroplating process shall be subject to the conditions of the Minor Source Operating Permit Renewal M097-21267-00371.

**Appendix A: Emissions Calculations**

**Degreasing Operations  
VOC & HAP Emissions**

**Company Name:** Williamson Polishing & Plating Co., Inc.  
**Source Location:** 2080 Dr. Andrew J. Brown Ave., Indianapolis, IN 46202  
**Permit Number:** 097-21267-00371  
**Reviewer:** Monica Doyle  
**Date:** October 4, 2006

Throughput of 24.5 gallons/year of Mineral Spirits

Solvent Density 6.58 lbs/gal

$$(24.5\text{gal/yr})(6.58\text{ lb/gal})(1\text{ ton}/2000\text{ lbs}) = 0.08\text{ tons/year}$$

**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100**

**Company Name:** Williamson Polishing & Plating Co., Inc.  
**Source Location:** 2080 Dr. Andrew J. Brown Ave., Indianapolis, IN 46202  
**Permit Number:** 097-21267-00371  
**Reviewer:** Monica Doyle  
**Date:** October 4, 2006

Heat Input Capacity  
MMBtu/hr

Potential Throughput  
MMCF/yr

9.40

82.34

Heat input capacity = 11 natural gas fueled furnaces with combined maximum heat input rate of 2.24 MMBtu/hr, and 1 boiler @ 8.4 MMBtu/hr.

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.90	7.60	0.60	100.00	5.50	84.00
				**see below		
Potential Emission in tons/yr	0.078	0.313	0.025	4.117	0.226	3.458

\*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

\*\*Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See next page for HAPs emissions calculations.

**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100**

**HAPs Emissions**

**Company Name:** Williamson Polishing & Plating Co., Inc.  
**Source Location:** 2080 Dr. Andrew J. Brown Ave., Indianapolis, IN 46202  
**Permit Number:** 097-21267-00371  
**Reviewer:** Monica Doyle  
**Date:** October 4, 2006

HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	8.646E-05	4.941E-05	3.088E-03	7.411E-02	1.400E-04

HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	2.059E-05	4.529E-05	5.764E-05	1.565E-05	8.646E-05

Methodology is the same as previous page.

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.