



Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: May 5, 2005  
RE: Biddle Precision Components, Inc. / 057-20988-00048  
FROM: Paul Dubenetzky  
Chief, Permits Branch  
Office of Air Quality

### Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, 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 eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures  
FNPER.dot 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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May 4, 2005

Mr. Rick Durbin
Biddle Precision Components, Inc.
701 South Main Street
Sheridan, Indiana 46049

Re: 057-20988-00048
Notice-only change to
MSOP 057-11705-00048

Dear Mr. Durbin:

Biddle Precision Components, Inc. was issued a MSOP on April 20, 2001 for a hard chromium electroplating operation. A letter notifying the Office of Air Quality of the construction of the following emission unit was received on March 24, 2005:

- (a) One (1) Chrome Purification System, identified as CH7 with a maximum rectifier capacity of 240 amperes and will exhaust to the existing composite mesh-pad system. This system will be used to recirculate and remotely treat chromic acid from existing chrome plating operations.
(b) The source is also requesting to change the authorized individual from Mike Harwood to a title of position:

This modification qualifies as a pollution control project or pollution prevention project under, 326 IAC 2-6.1-6(d)(5) Notice-only change.

Pursuant to the provisions of 326 IAC 2-6.1-6 the permit is hereby revised as follows (additions are bolded and deletions are struck through for emphasis):

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

The Permittee owns and operates a stationary hard chromium electroplating operation coating steel.

Authorized Individual: Mike Harwood-Plant Superintendent of Manufacturing Operations
Source Address: 701 South Main Street, Sheridan, IN 46049
Mailing Address: 701 South Main Street, Sheridan, IN 46049
Phone Number: 3 17-758-5260
SIC Code: 3451
County Location: Hamilton
County Status: Nonattainment for PM2.5
Nonattainment for 8-Hour Ozone
Attainment for all the other criteria pollutants
Source Status: Minor Source Operating Permit

Minor Source, under PSD Rules;  
Minor Source, Section 112 of the Clean Air Act

A.2 Emissions 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) Six (6) hard chromium electroplating operations, identified as CH 1, CH 2, CH 3, CH 5 and CH 6, using a composite mesh-pad system for control, each having a rectifier with a maximum potential capacity of 5,000 amperes and exhausting to one (1) stack identified as S1; ~~and~~
- (b) One (1) hard chromium electroplating operation, identified as CH 4, using a composite mesh-pad system for control, having a rectifier with a maximum potential capacity of 4,000 amperes and exhausting to one (1) stack identified as S1; **and**
- (c) **One (1) Chrome Purification System, identified as CH7 with a maximum rectifier capacity of 280 amperes. This system will be used to recirculate and remotely treat chromic acid from existing chrome plating operations.**

**SECTION D.1**

**EMISSIONS UNIT OPERATION CONDITIONS**

Emissions Unit Description

- (a) Six (6) hard chromium electroplating operations, identified as CH 1, CH 2, CH 3, CH 5 and CH 6, using a composite mesh-pad system for control, each having a rectifier with a maximum potential capacity of 5,000 amperes and exhausting to one (1) stack identified as S1; ~~and~~
- (b) One (1) hard chromium electroplating operation, identified as CH 4, using a composite mesh-pad system for control, having a rectifier with a maximum potential capacity of 4,000 amperes and exhausting to one (1) stack identified as S1; **and**
- (c) **One (1) Chrome Purification System, identified as CH7 with a maximum rectifier capacity of 280 amperes. This system will be used to recirculate and remotely treat chromic acid from existing chrome plating operations.**

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

The Chrome Purification System is not subject to 40 CFR Part 63.340, Subpart N – NESHAP for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks since no chromium electroplating or chromium anodizing is taking place in this Chrome Purification System. Therefore, no conditions in the permit will be affected.

Please attach a copy of this letter and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Aida De Guzman at (800) 451-6027, press 0 and ask for extension (3-4972), or dial (317) 233-4972.

Sincerely,

Original signed by  
Nisha Sizemore, Section Chief  
Office of Air Quality

Attachment  
APD

cc: File Hamilton County  
U.S. EPA, Region V  
Hamilton County Health Department  
Air Compliance Section Inspector - Marc Goldman  
Compliance Data Section  
Administrative and Development



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MINOR SOURCE OPERATING PERMIT
OFFICE OF AIR QUALITY

Biddle Precision Components, Inc.
701 South Main Street
Sheridan, IN 46049

(herein known as the Permittee) is hereby authorized to operate subject to the conditions
contained herein, the emission units described in Section A (Source Summary) of this 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 conditions listed on the attached pages.

Table with 2 columns and 4 rows containing permit details: Operation Permit No., Issuance Date, 1st Notice-only change No., and Issuance Date (May 4, 2005).

## SECTION A

## SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

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The Permittee owns and operates a stationary hard chromium electroplating operation coating steel.

Authorized Individual: Plant Superintendent of Manufacturing Operations  
Source Address: 701 South Main Street, Sheridan, IN 46049  
Mailing Address: 701 South Main Street, Sheridan, IN 46049  
Phone Number: 3 17-758-5260  
SIC Code: 3451  
County Location: Hamilton  
County Status: Nonattainment for PM2.5  
Nonattainment for 8-Hour Ozone  
Attainment for all the other criteria pollutants  
Source Status: Minor Source Operating Permit  
Minor Source, under PSD Rules;  
Minor Source, Section 112 of the Clean Air Act

### A.2 Emissions units and Pollution Control Equipment Summary

---

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

- (a) Six (6) hard chromium electroplating operations, identified as CH 1, CH 2, CH 3, CH 5 and CH 6, using a composite mesh-pad system for control, each having a rectifier with a maximum potential capacity of 5,000 amperes and exhausting to one (1) stack identified as S1;
- (b) One (1) hard chromium electroplating operation, identified as CH 4, using a composite mesh-pad system for control, having a rectifier with a maximum potential capacity of 4,000 amperes and exhausting to one (1) stack identified as S1; and
- (c) One (1) Chrome Purification System, identified as CH7 with a maximum rectifier capacity of 280 amperes. This system will be used to recirculate and remotely treat chromic acid from existing chrome plating operations.

### A.3 Part 70 Permit Applicability [326 IAC 2-7-2]

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This stationary source is not required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a minor source, as defined in 326 IAC 2-7-1(22);
- (b) It is not an affected source under Title IV (Acid Deposition Control) of the Clean Air Act, as defined in 326 IAC 2-7-1(3);
- (c) It is not in a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

## SECTION D.1

## EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description

- (a) Six (6) hard chromium electroplating operations, identified as CH 1, CH 2, CH 3, CH 5 and CH 6, using a composite mesh-pad system for control, each having a rectifier with a maximum potential capacity of 5,000 amperes and exhausting to one (1) stack identified as S1;
- (b) One (1) hard chromium electroplating operation, identified as CH 4, using a composite mesh-pad system for control, having a rectifier with a maximum potential capacity of 4,000 amperes and exhausting to one (1) stack identified as S1; and
- (c) One (1) Chrome Purification System, identified as CH7 with a maximum rectifier capacity of 280 amperes. This system will be used to recirculate and remotely treat chromic acid from existing chrome plating operations.

(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(1)]

#### D.1.1 General Provisions Relating to HAPs [326 IAC 20-1-1][40 CFR Part 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 63, Subpart N. The permittee shall comply with the requirements of this condition on and after the compliance date for the tanks.

#### D.1.2 Chromium Electroplating and Anodizing NESHAP [326 IAC 20-8-1] [40 CFR Part 63, Subpart N]

The provisions of 40 CFR 63, Subpart N - National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks, which are incorporated by reference as 326 IAC 20-8-1, apply to tanks (CH1, CH2, CH3, CH4, CH5 and CH6). A copy of this rule is attached. The permittee shall comply with the requirements of this condition on and after the compliance date for the tanks.

#### D.1.3 Chromium Emissions Limitation [40 CFR 63.342(c)] [40 CFR 63.343(a)(1)&(2)] [326 IAC 20-8-1]

- (a) The emission limitations in this condition apply only during tank operation, and also apply during periods of startup and shutdown as these are routine occurrences for tanks subject to 326 IAC 20-8-1. The emission limitations do not apply during periods of malfunction.
- (b) The hard chromium electroplating tanks, identified as tanks (CH1, CH2, CH3, CH4, CH5 and CH6) above, are considered a large, existing hard chromium electroplating operation. During tank operation, the Permittee shall control chromium emissions discharged to the atmosphere from the tank(s) by not allowing the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to exceed 0.015 mg/dscm [ $6.6 \times 10^{-6}$  gr/dscf].

#### D.1.4 Work Practice Standards [40 CFR 63.342(f)] [326 IAC 20-8-1]

The following work practice standards apply to tanks (CH1, CH2, CH3, CH4, CH5 and CH6):

- (a) At all times, including periods of startup, shutdown, malfunction and excess emissions, the Permittee shall operate and maintain tanks (CH1, CH2, CH3, CH4, CH5 and CH6), including the air pollution control techniques (composite mesh pad scrubber) and

- monitoring equipment, in a manner consistent with good air pollution control practices, consistent with the Operation and Maintenance Plan (OMP) required by Condition D.1.6.
- (b) Malfunctions and excess emissions shall be corrected as soon as practicable after their occurrence in accordance with the OMP required by Condition D.1.6.
  - (c) These operation and maintenance requirements are enforceable independent of emissions limitations or other requirements in this section.