INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

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: August 3, 2006

RE: Acuity Lighting Group / 107-23069-00037

FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

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

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot 03/23/06

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

Mr. Tom Deaton
Acuity Lighting Group, Inc.
1615 East Elmore Street
Crawfordsville, Indiana 47933

August 3, 2006

Re: 107-23069-00037
Notice-Only Change to:
MSOP 107-17896-00037

Dear Mr. Deaton:

Acuity Lighting, Group, Inc. was issued a permit on December 31, 2003 for a stationary light fixture manufacturing operation. A letter notifying the Office of Air Quality of the addition of an aluminum collection system was received on May 10, 2006. Pursuant to the provisions of 326 IAC 2-6.1-6 the permit is hereby revised as follows:

1. The source requested the addition of an aluminum collection system to gather scrap aluminum shavings from a lathing and cutting operation. The aluminum shavings being collected are in the form of long strips of aluminum. The width of the shavings varies from 1/64 inch to ¼ inch, and the length varies from ¼ inch to several feet long. The shavings are collected by the system under a hood, shredded internally, collected, and compressed into briquettes. The briquettes are sent off-site for recycling at a rate of approximately 5,000 pounds per day.

2. The source requested that the following emission units be included in the permit to more accurately reflect the current operations. These changes include the addition of one welding station, one ultraviolet painting operation, and one glueing operation. These modifications add emission units that are of the same type as those that are already permitted. These units will comply with the same applicable requirements and permit terms and conditions as the existing emission units. Additionally, the source requests the removal of seven shotblasters and one roll coating process.

This modification is being processed as a Notice Only Change to a MSOP because there are no quantifiable emissions from this construction and there are no applicable regulations. Please see Appendix A for emission calculations from this modification.

The following changes have been made to the permit. New language is in **bold** while deleted language is shown in ~~strikeout~~:

A.2 Emissions Units and Pollution Control Equipment Summary

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

. . .

(l) ~~Six (6)~~ **Seven (7)** metal inert gas welding stations, constructed in 1995, capacity: 1.7 pounds of wire per station per hour and a total of 1,500 pounds of sheet metal per hour.

. . .

~~(n) One (1) roll coating process, beginning operation in June 1987, capacity: 170 metal parts per hour.~~

~~(o)~~**(n)** One (1) natural gas-fired air makeup unit, identified as A9, constructed in April 2002, exhausting to Stack A9, rated at 1.944 million British thermal units per hour.

~~(p)~~**(o)** One (1) natural gas-fired air makeup unit, identified as A10, constructed in April 2002, exhausting to Stack A10, rated at 2.916 million British thermal units per hour.

~~(q)~~**(p)** Two (2) natural gas-fired air makeup units, identified as A11 and A12, exhausting to Stacks A11 and A12, respectively, rated at 4.579 million British thermal units per hour, each.

~~(r)~~**(q)** Two (2) natural gas-fired boilers, identified as $A13_1$ and $A13_2$, exhausting to Stack A13, rated at 3.360 million British thermal units per hour, each.

~~(s)~~**(r)** One (1) anodizing line, with a maximum capacity of 2,000 pounds of parts per hour, consisting of:

. . .

(6) One (1) Desmut tank, identified as A~~21~~**3S** and exhausting through Stack A21, using ~~nitric acid~~ **sulfuric acid and sodium persulfate**, maximum acid usage rate: 20 pounds per hour.

. . .

~~(t)~~**(s)** Fifteen (15) buffing machines, identified as A25, all exhausting to a scrubber, identified as S4, and exhausting through Stack A25, maximum capacity: 30 pounds of buffing compound and 2,000 pounds of parts per hour.

~~(u)~~**(t)** ~~One (1)~~ **Two (2)** ultraviolet painting operation**s**, identified as Flange Painting, using roll coating to apply materials, **each with a** capacity~~:~~ **of** 200 aluminum reflectors per hour.

~~(v)~~**(u)** ~~One (1)~~ **Two (2)** glueing operation**s**, identified as Glueing, using flow coating to apply materials, **each with a** capacity~~:~~ **of** 50 aluminum reflectors per hour.

~~(w)~~**(v)** Paved and unpaved roads.

~~(x)~~**(w)** ~~Twelve (12)~~ **Seven (7)** entirely enclosed shotblasters, ~~ten (10)~~ **five (5)** using sand and two (2) using glass, each equipped with an integral closed loop recycling system, with no exhaust or outlet air.

~~(y)~~**(x)** Two (2) paint booths, identified as P4 and P5, to be installed in 2005, equipped with dry filters for particulate control, capacity: 1250 metal parts per hour, each.

(y) One (1) aluminum collection system, identified as ACS, to be installed in 2006, with a maximum capacity of 27,000 acfm, to collect aluminum shavings for compaction and recycling.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description: Welding

(l) ~~Six (6)~~ **Seven (7)** metal inert gas welding stations, constructed in 1995, capacity: 1.7 pounds of wire per station per hour and a total of 1,500 pounds of sheet metal per hour.

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

Emission Limitations and Standards

D.2.1 Particulate [326 IAC 6-3-2]

Any change or modification which increases the weld wire or rod usage from the ~~six (6)~~ **seven (7)** metal inert gas welding stations to six hundred and twenty-five (625) pounds per day may cause the facilities to become subject to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), and shall require prior IDEM, OAQ, approval.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description: Powder coating and roll coating

(m) One (1) fully enclosed powder paint line, consisting of three (3) application booths, installed in March 1986, equipped with dust collectors to reclaim paint, capacity: 347,000 pounds of powder paint per year.

~~(n) One (1) roll coating process, beginning operation in June 1987, capacity: 170 metal parts per hour.~~

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

D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

Any change or modification which increases the VOC emissions from the one (1) fully enclosed powder paint line ~~or one (1) roll coating process~~ to twenty-five (25) tons per year or more may cause that facility to become subject to 326 IAC 8-2-9 and shall require prior IDEM, OAQ, approval.

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description: Combustion facilities (A9-A12)

~~(o)~~**(n)** One (1) natural gas-fired air makeup unit, identified as A9, constructed in April 2002, exhausting to Stack A9, rated at 1.944 million British thermal units per hour.

~~(p)~~**(o)** One (1) natural gas-fired air makeup unit, identified as A10, constructed in April 2002, exhausting to Stack A10, rated at 2.916 million British thermal units per hour.

~~(q)~~**(p)** Two (2) natural gas-fired air makeup units, identified as A11 and A12, exhausting to Stacks A11 and A12, respectively, rated at 4.579 million British thermal units per hour, each.

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

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description: Boilers

~~(r)~~**(q)** Two (2) natural gas-fired boilers, identified as $A13_1$ and $A13_2$, exhausting to Stack A13, rated at 3.360 million British thermal units per hour, each.

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

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description: Anodizing line

~~(s)~~**(r)** One (1) anodizing line, with a maximum capacity of 2,000 pounds of parts per hour, consisting of:

. . .

(6) One (1) Desmut tank, identified as A~~21~~**3S** and exhausting through Stack A21, using ~~nitric acid~~ **sulfuric acid and sodium persulfate**, maximum acid usage rate: 20 pounds per hour.

. . .

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

SECTION D.7 FACILITY OPERATION CONDITIONS

Facility Description: Buffing

~~(t)~~**(s)** Fifteen (15) buffing machines, identified as A25, all exhausting to a scrubber, identified as S4, and exhausting through Stack A25, maximum capacity: 30 pounds of buffing compound and 2,000 pounds of parts per hour.

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

SECTION D.8 FACILITY OPERATION CONDITIONS

Facility Description: Ultraviolet painting and glueing

~~(u)~~**(t)** ~~One (1)~~ **Two (2)** ultraviolet painting operation**s**, identified as Flange Painting, using roll coating to apply materials, **each with a** capacity~~:~~ **of** 200 aluminum reflectors per hour.

~~(v)~~**(u)** ~~One (1)~~ **Two (2)** glueing operation**s**, identified as Glueing, using flow coating to apply materials, **each with a** capacity~~:~~ **of** 50 aluminum reflectors per hour.

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

SECTION D.9 FACILITY OPERATION CONDITIONS

Facility Description: Paved and unpaved roads

~~(w)~~**(v)** Paved and unpaved roads.

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

SECTION D.10 FACILITY OPERATION CONDITIONS

Facility Description: Surface coating paint booths

~~(y)~~**(x)** Two (2) paint booths, identified as P4 and P5, to be installed in 2005, equipped with dry filters for particulate control, capacity: 1250 metal parts per hour, each.

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

Upon further review, IDEM, OAQ has also decided to make the following changes:

1. The address for IDEM, OAQ have been updated throughout the permit as follows:

   Indiana Department of Environmental Management
   100 North Senate Avenue
   Indianapolis, IN 46204**-2251**

2. In accordance with the credible evidence rule (62 Fed. Reg. 8314, Feb 24, 1997); Section 113(a) of the Clean Air Act, 42 U.S. C. § 7413 (a); and a letter from the United States Environmental Protection Agency (USEPA) to IDEM, OAQ dated May, 18 2004, all permits must address the use of credible evidence. Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule became effective March 16, 2005 and is incorporated into this permit under Section B Credible Evidence as shown:

B.14 Credible Evidence [326 IAC 1-1-6]

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

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter following a revised permit to the front of the original permit.

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Tracy Dehavan Parham, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7901 to speak directly to Ms. Dehaven. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027 and ask for Duane Van Laningham or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original signed by
Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments

ERG/TDP

cc: File – Montgomery County
U.S. EPA, Region V

Montgomery County Health Department
Air Compliance Section Inspector – Jim Thorpe
Compliance Data Section
Administrative and Development
Technical Support and Modeling - Michele Boner

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

MINOR SOURCE OPERATING PERMIT
OFFICE OF AIR QUALITY

Acuity Lighting Group, Inc.
1615 East Elmore Street
Crawfordsville, Indiana 47933

(herein known as the Permittee) is hereby authorized to construct and 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.

Operation Permit No.: MSOP 107-17896-00037	
Issued by: Original Signed By Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: December 31, 2003 Expiration Date: December 31, 2008

First Notice-Only Change No.: 107-19187-00037, issued on June 16, 2004
Second Notice-Only Change No.: 107-20286-00037, issued on February 28, 2005
First Minor Permit Revision No.: 107-21344-00037, issued August 17, 2005

Third Notice-Only Change No. 107-23069-00037	Pages Affected: 5-7, 20-25, 27-29
Issued by: Original signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: August 3, 2006 Expiration Date: December 31, 2008

TABLE OF CONTENTS

A SOURCE SUMMARY ……5
A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)
A.2 Emissions Units and Pollution Control Equipment Summary

B GENERAL CONDITIONS ……..8
B.1 Permit No Defense [IC 13]
B.2 Definitions
B.3 Effective Date of the Permit [IC 13-15-5-3]
B.4 Revocation of Permits [326 IAC 2-1.1-9(5)]
B.5 Permit Term and Renewal [326 IAC 2-6.1-7(a)] [326 IAC 2-1.1-9.5]
B.6 Modification to Permit [326 IAC 2]
B.7 Minor Source Operating Permit [326 IAC 2-6.1]
B.8 Annual Notification [326 IAC 2-6-.1-5(a)(5)]
B.9 Preventive Maintenance Plan [326 IAC 1-6-3]
B.10 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]
B.11 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] [IC 13-20-3-1] [IC 13-17-3-2]
B.12 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]
B.13 Annual Fee Payment [326 IAC 2-1.1-7]
B.14 Credible Evidence [326 IAC 1-1-6]

C SOURCE OPERATION CONDITIONS……..12

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52, Subpart P] [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] [326 IAC 6-1-11.1]
C.5 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]
C.6 Stack Height [326 IAC 1-7]
C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

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

Compliance Monitoring Requirements
C.10 Compliance Monitoring [326 IAC 2-1.1-11]
C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]
C.12 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11]
C.13 Compliance Response Plan - Preparation and Implementation
C.14 Actions Related to Noncompliance Demonstrated by a Stack Test

Record Keeping and Reporting Requirements
C.15 Malfunctions Report [326 IAC 1-6-2]
C.16 General Record Keeping Requirements [326 IAC 2-6.1-5]
C.17 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

D.1 FACILITY OPERATION CONDITIONS: Combustion facilities (A1-A8 and B1-B3) ……..18

Emission Limitations and Standards
D.1.1 Particulate Matter (PM) [326 IAC 4-2-2]

D.2 FACILITY OPERATION CONDITIONS: Welding ……20

Emission Limitations and Standards
D.2.1 Particulate [326 IAC 6-3-2]

D.3 FACILITY OPERATION CONDITIONS: Powder coating and roll coating **……21**

Emission Limitations and Standards
D.3.1 Particulate [326 IAC 6-3-2]
D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]
D.3.3 Preventive Maintenance Plan [326 IAC 1-6-3]

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]
D.3.4 Record Keeping Requirements

D.4 FACILITY OPERATION CONDITIONS: Combustion facilities (A9-A12)……22

No applicable conditions.

D.5 FACILITY OPERATION CONDITIONS: **Boilers……23**

Emission Limitations and Standards
D.5.1 Particulate [326 IAC 6-2-4]

D.6 FACILITY OPERATION CONDITIONS: Anodizing line ……24

Emission Limitations and Standards
D.6.1 Particulate [326 IAC 6-3-2]

D.7 FACILITY OPERATION CONDITIONS: Buffing……25

Emission Limitations and Standards
D.7.1 Particulate [326 IAC 6-3-2]
D.7.2 Preventive Maintenance Plan [326 IAC 1-6-3]

Compliance Determination Requirements
D.7.3 Particulate Control

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]
D.7.4 Visible Emissions Notations
D.7.5 Parametric Monitoring
D.7.6 Scrubber Inspection
D.7.7 Scrubber Failure Detection

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]
D.7.8 Record Keeping Requirements

D.8 FACILITY OPERATION CONDITIONS: Ultraviolet painting and glueing……..27

Emission Limitations and Standards
D.8.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

D.9 FACILITY OPERATION CONDITIONS: Paved and unpaved roads……28

See Conditions C.4 and C.5

D.10 FACILITY OPERATION CONDITIONS: Surface coating paint booths……..29

Emission Limitations and Standards
D.10.1 Particulate Matter (PM) [40 CFR 52, Subpart P]
D.10.2 Particulate [326 IAC 6-3-2(d)]
D.10.3 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]
D.10.4 Volatile Organic Compounds (VOC) Limitations, Clean-up Requirements [326 IAC 8-2-9]
D.10.5 Preventive Maintenance Plan [326 IAC 1-6-3]

Compliance Determination Requirements
D.10.6 Volatile Organic Compounds (VOC) [326 IAC 8-1-2] [326 IAC 8-1-4]

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]
D.10.7 Monitoring

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]
D.10.8 Record Keeping Requirements
D.10.9 Reporting Requirements

Malfunction Report ……31
Annual Notification. ……33
Affidavit of Construction ……34

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 and 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)]

The Permittee owns and operates a stationary lighting fixture manufacturing source.

Authorized Individual:	Director of Operations
Source Address:	1615 East Elmore Street, Crawfordsville, Indiana 47933
Mailing Address:	1615 East Elmore Street, Crawfordsville, Indiana 47933
General Source Phone:	(765) 362-1837
SIC Code:	3645
County Location:	Montgomery
Source Location Status:	Attainment for all 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 construct and operate the following emissions units and pollution control devices:

(a) One (1) pyrolysis cleaning oven, identified as A4, constructed in 2000, controlled with an afterburner and exhausting to Stack A4, rated at 0.95 million British thermal units per hour, capacity: 20 pounds of metal parts per hour.

(b) One (1) natural gas-fired air make-up unit, identified as A1, constructed in 1986, exhausting to Stack A1, rated at 1.925 million British thermal units per hour.

(c) One (1) natural gas-fired air make-up unit, identified as A2, constructed in 1980, exhausting to Stack A2, rated at 2.0 million British thermal units per hour.

(d) One (1) natural gas-fired air make-up unit, identified as A3, constructed in 1980, exhausting to Stack A3, rated at 2.0 million British thermal units per hour.

(e) One (1) natural gas-fired air make-up unit, identified as B1, constructed in 2000, exhausting to Stack B1, rated at 1.944 million British thermal units per hour.

(f) One (1) natural gas-fired air make-up unit, identified as B2, constructed in 1979, exhausting to Stack B2, rated at 1.646 million British thermal units per hour.

(g) One (1) natural gas-fired air make-up unit, identified as B3, constructed in 1977, exhausting to Stack B3, rated at 1.5 million British thermal units per hour.

(h) One (1) water treatment burner, identified as A5, constructed in 1985, exhausting to Stack A5, rated at 2.5 million British thermal units per hour.

(i) One (1) water treatment burner, identified as A6, constructed in 1985, exhausting to Stack A6, rated at 3.8 million British thermal units per hour.

(j) One (1) bake oven, identified as A7, constructed in 1985, exhausting to Stack A7, rated at 3.5 million British thermal units per hour.

(k) One (1) drying oven, identified as A8, constructed in 1985, exhausting to Stack A8, rated at 2.0 million British thermal units per hour.

(l) Seven (7) metal inert gas welding stations, constructed in 1995, capacity: 1.7 pounds of wire per station per hour and a total of 1,500 pounds of sheet metal per hour.

(m) One (1) fully enclosed powder paint line, consisting of three (3) application booths, installed in March 1986, equipped with dust collectors to reclaim paint, capacity: 347,000 pounds of powder paint per year.

(n) One (1) natural gas-fired air makeup unit, identified as A9, constructed in April 2002, exhausting to Stack A9, rated at 1.944 million British thermal units per hour.

(o) One (1) natural gas-fired air makeup unit, identified as A10, constructed in April 2002, exhausting to Stack A10, rated at 2.916 million British thermal units per hour.

(p) Two (2) natural gas-fired air makeup units, identified as A11 and A12, exhausting to Stacks A11 and A12, respectively, rated at 4.579 million British thermal units per hour, each.

(q) Two (2) natural gas-fired boilers, identified as $A13_1$ and $A13_2$, exhausting to Stack A13, rated at 3.360 million British thermal units per hour, each.

(r) One (1) anodizing line, with a maximum capacity of 2,000 pounds of parts per hour, consisting of:

(1) Three (3) natural gas-fired dryers, identified as A14 through A16, with dryers A14 and A15 exhausting to Stack A14 and dryer A16 exhausting to Stack A16, rated at 0.55 million British thermal units per hour, each.

(2) Three (3) alkaline cleaner tanks, identified as A17 and exhausting through Stack A17, using a cleaner and sodium hydroxide, maximum usage rate: 60 pounds per hour.

(3) One (1) caustic etch tank, identified as A18 and equipped with a scrubber, identified as S1, exhausting through Stack A18, using sodium hydroxide and etching materials, maximum solution usage rate: 40 pounds per hour.

(4) One (1) acid clean tank, identified as A19 and exhausting through Stack A19, using phosphoric acid, maximum acid cleaner usage rate: 10 pounds per hour.

(5) One (1) Bright Dip tank, identified as A20 and equipped with a scrubber, identified as S2, exhausting to Stack A20, using phosphoric acid and nitric acid, maximum acid usage rate: 580 pounds per hour.

(6) One (1) Desmut tank, identified as A3S and exhausting through Stack A21, using sulfuric acid and sodium persulfate, maximum acid usage rate: 20 pounds per hour.

(7) Five (5) sulfuric acid anodizing tanks, identified as A22, equipped with a scrubber, identified as S3, and exhausting to Stack A22, maximum acid usage rate: 100 pounds per hour.

(8) Three (3) seal tanks, identified as A23 and exhausting through Stack A23, maximum material usage rate: 6.0 pounds per hour, total.

(9) One (1) seal tank, identified as A24, and exhausting through Stack A24, maximum material usage rate: 2.0 pounds per hour.

(s) Fifteen (15) buffing machines, identified as A25, all exhausting to a scrubber, identified as S4, and exhausting through Stack A25, maximum capacity: 30 pounds of buffing compound and 2,000 pounds of parts per hour.

(t) Two (2) ultraviolet painting operations, identified as Flange Painting, using roll coating to apply materials, each with a capacity of 200 aluminum reflectors per hour.

(u) Two (2) glueing operations, identified as Glueing, using flow coating to apply materials, each with a capacity of 50 aluminum reflectors per hour.

(v) Paved and unpaved roads.

(w) Seven (7) entirely enclosed shotblasters, five (5) using sand and two (2) using glass, each equipped with an integral closed loop recycling system, with no exhaust or outlet air.

(x) Two (2) paint booths, identified as P4 and P5, to be installed in 2005, equipped with dry filters for particulate control, capacity: 1250 metal parts per hour, each.

(y) One (1) aluminum collection system, identified as ACS, to be installed in 2006, with a maximum capacity of 27,000 acfm, to collect aluminum shavings for compaction and recycling.

SECTION B GENERAL CONDITIONS

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1.1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

B.1 Permit No Defense [IC 13]

This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

B.2 Definitions

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.3 Effective Date of the Permit [IC13-15-5-3]

Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.

B.4 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.5 Permit Term and Renewal [326 IAC 2-6.1-7(a)] [326 IAC 2-1.1-9.5]

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

The Permittee shall apply for an operation permit renewal at least ninety (90) days prior to the expiration date. If a timely and sufficient permit application for a renewal has been made, this permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

B.6 Modification to Permit [326 IAC 2]

Notwithstanding the Section B condition entitled “Minor Source Operating Permit”, all requirements and conditions of this construction permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

B.7 Minor Source Operating Permit [326 IAC 2-6.1]

This document shall also become a minor source operating permit pursuant to 326 IAC 2-6.1 when, prior to start of operation, the following requirements are met:

(a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), Permit Administration & Development Section.

(1) If the Affidavit of Construction verifies that the facilities covered in this Construction Permit were constructed as proposed in the application, then the facilities may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.

(2) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2-6.1-6 and an Operation Permit Validation Letter is issued.

(b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any

permit conditions associated with operation start up dates such as Stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.

(c) Upon receipt of the Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section, the Permittee shall attach it to this document.

(d) The operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-1.1-7(Fees).

B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]

(a) Annual notification shall be submitted 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) Noncompliance with any condition must be specifically identified. If there are any permit conditions or requirements for which the source is not in compliance at any time during the year, the Permittee must provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be, achieved. The notification must be signed by an authorized individual.

(c) The annual notice shall cover the time period from January 1 to December 31 of the previous year, and 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
Indianapolis, IN 46204-2251

(d) 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, on or before the date it is due.

B.9 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each emissions unit:

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

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

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

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.

(c) A copy of the PMP's shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMP whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) 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.10 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

(a) Permit revisions are governed by the requirements of 326 IAC 2-6.1-6.

(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
Indianapolis, Indiana 46204-2251

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

(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)]

(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

B.11 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] [IC 13-20-3-1] [IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a 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 this title or the conditions of this permit or any operating permit revisions;

(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 processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;

(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.12 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]

Pursuant to [326 IAC 2-6.1-6(d)(3)] :

(a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch, within thirty (30) days of the change.

(b) The written notification shall be sufficient to transfer the permit to the new owner by an notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).

(c) IDEM, OAQ, shall issue a revised permit.

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

B.13 Annual Fee Payment [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing.

(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.14 Credible Evidence [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

C.1 Particulate Emission Limitation 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 construct and 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, 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 forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.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 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on August 28, 2003. The plan consists of:

Cleaning all roads and parking lots on an as needed basis

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

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25)

tons per year or more of particulate matter or sulfur dioxide is emitted by using ambient air quality modeling pursuant to 326 IAC 1-7-4.

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

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

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

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

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

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

(g) Indiana Accredited Asbestos Inspector

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

Testing Requirements

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

(a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than180 days after initial start-up, if specified in Section D of this approval. 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
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date.

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14 days) prior to the actual date.

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

Compliance Monitoring Requirements

C.10 Compliance Monitoring [326 IAC 2-1.1-11]

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

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

C.12 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11]

(a) Whenever a condition in this permit requires the measurement of total static pressure drop across any part of the unit or its control device, the gauge employed shall have a

scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.

(b) Whenever a condition in this permit requires the measurement of a temperature or flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.

(c) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

C.13 Compliance Response Plan - Preparation and Implementation

(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ, upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:

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

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

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

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

(2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be 10 days or more until the unit or device will be shut down, then the permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.

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

(c) The Permittee is not required to take any further response steps for any of the following reasons:

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

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

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

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

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

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected 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 that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

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

Record Keeping and Reporting Requirements

C.15 Malfunctions Report [326 IAC 1-6-2]

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

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

(b) Unless otherwise specified in this permit, all record Keeping requirements not already legally required shall be implemented when operation begins.

C.17 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

(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
Indianapolis, Indiana 46204-2251

(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, on or before the date it is due.

(c) Unless otherwise specified in this permit, any semi-annual report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The reports do not 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.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description: Combustion facilities (A1-A8 and B1-B3)

(a) One (1) pyrolysis cleaning oven, identified as A4, constructed in 2000, controlled with an after-burner and exhausting to Stack A4, rated at 0.95 million British thermal units per hour, capacity: 20 pounds of metal parts per hour.

(b) One (1) natural gas-fired air make-up unit, identified as A1, constructed in 1986, exhausting to Stack A1, rated at 1.925 million British thermal units per hour.

(c) One (1) natural gas-fired air make-up unit, identified as A2, constructed in 1980, exhausting to Stack A2, rated at 2.0 million British thermal units per hour.

(d) One (1) natural gas-fired air make-up unit, identified as A3, constructed in 1980, exhausting to Stack A3, rated at 2.0 million British thermal units per hour.

(e) One (1) natural gas-fired air make-up unit, identified as B1, constructed in 2000, exhausting to Stack B1, rated at 1.944 million British thermal units per hour.

(f) One (1) natural gas-fired air make-up unit, identified as B2, constructed in 1979, exhausting to Stack B2, rated at 1.646 million British thermal units per hour.

(g) One (1) natural gas-fired air make-up unit, identified as B3, constructed in 1977, exhausting to Stack B3, rated at 1.5 million British thermal units per hour.

(h) One (1) water treatment burner, identified as A5, constructed in 1985, exhausting to Stack A5, rated at 2.5 million British thermal units per hour.

(i) One (1) water treatment burner, identified as A6, constructed in 1985, exhausting to Stack A6, rated at 3.8 million British thermal units per hour.

(j) One (1) bake oven, identified as A7, constructed in 1985, exhausting to Stack A7, rated at 3.5 million British thermal units per hour.

(k) One (1) drying oven, identified as A8, constructed in 1985, exhausting to Stack A8, rated at 2.0 million British thermal units per hour.

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

Emission Limitations and Standards

D.1.1 Particulate Matter (PM) [326 IAC 4-2-2]

Pursuant to 326 IAC 4-2-2, the one (1) controlled pyrolysis cleaning oven, which serves as an incinerator, shall:

(a) Consist of primary and secondary chambers or the equivalent;

(b) Be equipped with a primary burner;

(c) Comply with 326 IAC 5-1 (Opacity Limitations) and 326 IAC 2 (Permit Review Rules);

(d) Be maintained properly as specified by the manufacturer and approved by IDEM;

(e) Be operated according to the manufacturer”s recommendation and only burn waste approved by IDEM;

(f) Comply with other state and/or local rules or ordinances regarding installation and operation of incinerators;

(g) Be operated so that emissions of hazardous materials including, but not limited to, viable pathogenic bacteria, dangerous chemical or gases, or noxious odors are prevented;

(h) Not create a nuisance or a fire hazard; and

(i) Not emit particulate matter (PM) in excess of 0.5 pounds per 1,000 pounds of dry exhaust gas corrected to fifty percent (50%) excess air.

The operation of the incinerator shall be terminated immediately upon noncompliance with any of the above mentioned requirements.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description: Welding

(l) Seven (7) metal inert gas welding stations, constructed in 1995, capacity: 1.7 pounds of wire per station per hour and a total of 1,500 pounds of sheet metal per hour.

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

Emission Limitations and Standards

D.2.1 Particulate [326 IAC 6-3-2]

Any change or modification which increases the weld wire or rod usage from the seven (7) metal inert gas welding stations to six hundred and twenty-five (625) pounds per day may cause the facilities to become subject to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), and shall require prior IDEM, OAQ, approval.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description: Powder coating and roll coating

(m) One (1) fully enclosed powder paint line, consisting of three (3) application booths, installed in March 1986, equipped with dust collectors to reclaim paint, capacity: 347,000 pounds of powder paint per year.

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

Emission Limitations and Standards

D.3.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(d), the one (1) fully enclosed powder paint line is subject to the following:

(a) Particulate from the surface coating manufacturing processes shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with manufacturers specifications.

(b) If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:

(1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

(2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.

(c) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

Any change or modification which increases the VOC emissions from the one (1) fully enclosed powder paint line to twenty-five (25) tons per year or more may cause that facility to become subject to 326 IAC 8-2-9 and shall require prior IDEM, OAQ, approval.

D.3.3 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 the powder paint line and its control device.

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.3.4 Record Keeping Requirements

(a) To document compliance with Condition D.3.3, the Permittee shall maintain records of any inspections prescribed by the Preventive Maintenance Plan.

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

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description: Combustion facilities (A9-A12)

(n) One (1) natural gas-fired air makeup unit, identified as A9, constructed in April 2002, exhausting to Stack A9, rated at 1.944 million British thermal units per hour.

(o) One (1) natural gas-fired air makeup unit, identified as A10, constructed in April 2002, exhausting to Stack A10, rated at 2.916 million British thermal units per hour.

(p) Two (2) natural gas-fired air makeup units, identified as A11 and A12, exhausting to Stacks A11 and A12, respectively, rated at 4.579 million British thermal units per hour, each.

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

There are no conditions specifically applicable to these facilities.

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description: Boilers

(q) Two (2) natural gas-fired boilers, identified as $A13_1$ and $A13_2$, exhausting to Stack A13, rated at 3.360 million British thermal units per hour, each.

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

Emission Limitations and Standards

D.5.1 Particulate [326 IAC 6-2-4]

(a) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the two (2) boilers, rated at 3.360 million British thermal unit per hour heat input, each, shall be limited to 0.6 pounds per million British thermal units heat input.

(b) Pursuant to 326 IAC 6-2-4 (a), for total heat input capacities less than 10 million British thermal units per hour, the PM emissions shall not exceed 0.6 pounds per million British thermal units heat input.

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description: Anodizing line

(r) One (1) anodizing line, with a maximum capacity of 2,000 pounds of parts per hour, consisting of:

(1) Three (3) natural gas-fired dryers, identified as A14 through A16, with dryers A14 and A15 exhausting to Stack A14 and dryer A16 exhausting to Stack A16, rated at 0.55 million British thermal units per hour, each.

(2) Three (3) alkaline cleaner tanks, identified as A17 and exhausting through Stack A17, using a cleaner and sodium hydroxide, maximum usage rate: 60 pounds per hour.

(3) One (1) caustic etch tank, identified as A18 and equipped with a scrubber, identified as S1, exhausting through Stack A18, using sodium hydroxide and etching materials, maximum solution usage rate: 40 pounds per hour.

(4) One (1) acid clean tank, identified as A19 and exhausting through Stack A19, using phosphoric acid, maximum acid cleaner usage rate: 10 pounds per hour.

(5) One (1) Bright Dip tank, identified as A20 and equipped with a scrubber, identified as S2, exhausting to Stack A20, using phosphoric acid and nitric acid, maximum acid usage rate: 580 pounds per hour.

(6) One (1) Desmut tank, identified as A3S and exhausting through Stack A21, using sulfuric acid and sodium persulfate, maximum acid usage rate: 20 pounds per hour.

(7) Five (5) sulfuric acid anodizing tanks, identified as A22, equipped with a scrubber, identified as S3, and exhausting to Stack A22, maximum acid usage rate: 100 pounds per hour.

(8) Three (3) seal tanks, identified as A23 and exhausting through Stack A23, maximum material usage rate: 6.0 pounds per hour, total.

(9) One (1) seal tank, identified as A24, and exhausting through Stack A24, maximum material usage rate: 2.0 pounds per hour.

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

Emission Limitations and Standards

D.6.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) Bright Dip tank, identified as A20, shall not exceed 4.86 pounds per hour when operating at a process weight rate of 2,580 pounds per hour. The pounds per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

SECTION D.7 FACILITY OPERATION CONDITIONS

Facility Description: Buffing

(s) Fifteen (15) buffing machines, identified as A25, all exhausting to a scrubber, identified as S4, and exhausting through Stack A25, maximum capacity: 30 pounds of buffing compound and 2,000 pounds of parts per hour.

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

Emission Limitations and Standards

D.7.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the fifteen (15) buffing machines, collectively identified as A25, all exhausting to a scrubber (S4), shall not exceed 4.14 pounds per hour, total, when operating a process weight rate of 2,030 pounds of parts and buffing materials per hour. The pounds per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.7.2 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 these facilities and their control device.

Compliance Determination Requirements

D.7.3 Particulate Control

In order to comply with Condition D.7.1, the scrubber (S4) for particulate control shall be in operation and control emissions from the fifteen (15) buffing machines at all times that any of the buffing machines are in operation.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.7.4 Visible Emissions Notations

(a) Visible emission notations of the buffing stack (Stack A25) exhaust shall be performed once per shift during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response

steps in accordance with Section C - Compliance Response Plan - Preparation and Implementation shall be considered a violation of this permit.

D.7.5 Parametric Monitoring

The Permittee shall record the total static pressure drop across the scrubber used in conjunction with the fifteen (15) buffing machines (A25), and the scrubbing liquor flow rate at least once per shift when the buffing machines are in operation. When for any one reading, the pressure drop across the scrubber is outside the normal range of 8.0 and 30.0 inches of water, or the scrubbing liquor flow rate is outside the normal range of 450 and 1,200 gallons per minute, or ranges established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation and Implementation. A pressure or flow rate reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation and Implementation shall be considered a violation of this permit.

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

D.7.6 Scrubber Inspections

An inspection shall be performed each calendar quarter of the scrubber (S4) controlling the fifteen (15) buffing machines (A25) when venting to the atmosphere. Inspections required by this condition shall not be performed in consecutive months.

D.7.7 Scrubber Failure Detection

In the event that a scrubber failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation and Implementation shall be considered a violation of this permit.

Record Keeping and Reporting Requirement

D.7.8 Record Keeping Requirements

(a) To document compliance with Condition D.7.4, the Permittee shall maintain records of visible emission notations of the buffing stack (Stack A25) exhaust once per shift.

(b) To document compliance with Condition D.7.5, the Permittee shall maintain records once per shift of the total static pressure drop and scrubbing liquor flow rate during normal operation.

(c) To document compliance with Condition D.7.2, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

(d) To document compliance with Condition D.7.6, the Permittee shall maintain records of the results of the inspections required under Condition D.7.6.

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

SECTION D.8 FACILITY OPERATION CONDITIONS

Facility Description: Ultraviolet painting and glueing

(t) Two (2) ultraviolet painting operations, identified as Flange Painting, using roll coating to apply materials, each with a capacity of 200 aluminum reflectors per hour.

(u) Two (2) glueing operations, identified as Glueing, using flow coating to apply materials, each with a capacity of 50 aluminum reflectors per hour.

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

Emission Limitations and Standards

D.8.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

Any change or modification that increases the VOC emissions from the one (1) proposed glueing operation or the one (1) proposed ultraviolet coating operation to fifteen (15) pounds per day or more, shall cause the facility to become subject to 326 IAC 8-2-9, and shall require prior IDEM, OAQ, approval.

SECTION D.9 FACILITY OPERATION CONDITIONS

Facility Description: Paved and unpaved roads

(v) Paved and unpaved roads.

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

See Conditions C.4 and C.5.

SECTION D.10 FACILITY OPERATION CONDITIONS

Facility Description: Surface coating paint booths

(x) Two (2) paint booths, identified as P4 and P5, to be installed in 2005, equipped with dry filters for particulate control, capacity: 1250 metal parts per hour, each.

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

Emission Limitations and Standards

D.10.1 Particulate Matter (PM) [40 CFR 52, Subpart P]

Pursuant to 40 CFR 52, Subpart P, the allowable particulate emission rate from PM from the two (2) paint booths P4 and P5, shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.10.2 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from paint booths P4 and P5 shall be controlled by a dry particulate filter, and the Permittee shall operated the control device in accordance with the manufacturer's specifications.

D.10.3 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9, the owner or operator shall not allow the discharge into the atmosphere VOC in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicators of paint booths P4 and P5.

D.10.4 Volatile Organic Compound (VOC) Limitations, Clean-up Requirements [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9(f), all solvents sprayed from the application equipment of paint booths P4 and P5 during cleanup or color changes shall be directed into containers. Said containers shall be closed as soon as the solvent spraying is complete. In addition, all waste solvent shall be disposed of in such a manner that minimizes evaporation.

D.10.5 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 this facility and its control device.

Compliance Determination Requirements

D.10.6 Volatile Organic Compounds (VOC) [326 IAC 8-1-2][326 IAC 8-1-4]

Compliance with the VOC content limitation contained in Condition D.10.3 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.10.7 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry particulate filters, weekly observations

shall be made of the overspray from the two (2) paint booth stacks P4 and P5 while the booths are in operation. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be a deviation of this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a deviation of this permit.

(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

Record Keeping and Reporting Requirement [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.10.8 Record Keeping Requirements

(a) To document compliance with Condition D.10.3, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC usage limit established in Condition D.10.3.

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

(2) The amount of coating material and solvent used on monthly basis.

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

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

(3) The cleanup solvent usage for each month.

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

(5) The weight of the VOCs emitted for each compliance period.

(b) To document compliance with Condition D.10.7, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, and those additional inspections prescribed by the Preventive Maintenance Plan.

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

D.10.9 Reporting Requirements

(a) There are no applicable reporting requirements

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FAX NUMBER - 317 233-6865

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 ?_____, 100 TONS/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_____/_____/ 20____ ____ 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: _____
INTERIM CONTROL MEASURES: (IF APPLICABLE) _____

MALFUNCTION REPORTED BY: _____ TITLE: _____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

*SEE PAGE 2

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
COMPLIANCE BRANCH

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).

Company Name:
Address:
City:
Phone #:
MSOP #:

I hereby certify that Acuity Lighting Group, Inc., A Delaware Corporation is

☐ still in operation.

☐ no longer in operation.

I hereby certify that Acuity Lighting Group, Inc., A Delaware Corporation Is

☐ in compliance with the requirements of MSOP 107-21344-00037.

☐ not in compliance with the requirements of MSOP 107-21344-00037.

Authorized Individual (typed):
Title:
Signature:
Date:

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.

Noncompliance:

Mail to: Permit Administration & Development Section
Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

Acuity Lighting Group, Inc., A Delaware Corporation
1615 East Elmore Street
Crawfordsville, IN 47933

Affidavit of Construction

I, _____, being duly sworn upon my oath, depose and say:
(Name of the Authorized Representative)

1. I live in _____ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.

2. I hold the position of _____ for _____.
(Title) (Company Name)

3. By virtue of my position with _____ , I have personal knowledge of the
(Company Name)
representations contained in this affidavit and am authorized to make these representations on behalf of _____ .
(Company Name)

4. I hereby certify that Acuity Lighting Group, Inc., A Delaware Corporation, 1615 East Elmore Street, Crawfordsville, Indiana 47933, completed construction of the buffing operations, anodizing line, glueing operations, ultraviolet painting operations, boilers and air makeup units at the existing lighting fixture manufacturing source on _____ in conformity with the requirements and intent of the Construction Permit application received by the Office of Air Quality on August 28, 2003 and as permitted pursuant to **MSOP No. 107-21344 Plant ID No. 107-00037** issued on __ .

5. Additional buffing operations, anodizing lines, glueing operations, ultraviolet painting operations, boilers or air makeup units were constructed/substituted as described in the attachment to this document and were not made in accordance with the Construction Permit. (Delete this statement if it does not apply.)

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

_____
Signature

_____
Date

STATE OF INDIANA)
)SS

COUNTY OF _____)

Subscribed and sworn to me, a notary public in and for ____ County and State of Indiana on this day of _____, 20 _____ .

My Commission expires: _____ .

_____
Signature

_____
Name (typed or printed)

Appendix A: Emission Calculations
VOC and Particulate from Painting and Glueing Operations

Company Name: Acuity Lighting Group, Inc.
Address : 1615 East Elmore Street, Crawfordsville, Indiana 47933
Registration: 107-23069-00037
Reviewer: ERG/TDP
Date: July 28, 2006

Material	Density (lbs/gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % VOC	Volume % Water	Volume % Non-Volatiles (solids)	Usage Rate (gal/unit)	Maximum Throughput (unit/hour)	Pounds VOC per gallon of coating	PTE of VOC (lbs/hr)	PTE of VOC (lbs/day)	PTE of VOC (tons/yr)	PTE of PM/PM10 (ton/yr)	lb VOC/gal solids	Transfer Efficiency*
GLUEING															
Locktite 352 Light Cure	9.30	3.2%	0.0%	3.2%	0.0%	100.00%	0.00050	50.0	0.30	0.008	0.181	0.033	0.00	0.301	100%
FLANGE PAINTING															
3275 Super Opaque	10.80	0.2%	0.0%	0.2%	0.0%	100.00%	0.00100	200.0	0.025	0.005	0.119	0.022	0.00	0.025	100%
3278 HI White	11.80	0.3%	0.0%	0.3%	0.0%	100.00%	0.00100	200.0	0.033	0.007	0.159	0.029	0.00	0.033	100%
									Total PTE:	**0.019**	**0.459**	**0.084**	**0.00**		

*Transfer efficiency assumed to be 100%. All materials are applied through roll coating.

METHODOLOGY

Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)
PTE of VOC (lbs/hr) = Pounds of VOC per Gallon coating (lb/gal) * Usage Rate(gal/unit) * Maximum Throughput (units/hr)
PTE of VOC (lbs/day) = Pounds of VOC per Gallon coating (lb/gal) * Usage Rate (gal/unit) * Maximum Throughput (units/hr) * (24 hr/day)
PTE of VOC (tons/yr) = Pounds of VOC per Gallon coating (lb/gal) * Usage Rate (gal/unit) * Maximum Throughput (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)
PTE of PM/PM10 (tons/yr) = Maximum Throughput (units/hour) * Usage Rate (gal/unit) * Density (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)
Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)

Appendix A: Emission Calculations
Welding Operations

Company Name: Acuity Lighting Group, Inc.
Address: 1615 East Elmore Street, Crawfordsville, Indiana 47933
Registration: 107-23069-00037
Reviewer: ERG/TDP
Date: July 28, 2006

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)	Type of Wire Used	EMISSION FACTORS* (lb pollutant/lb electrode)				PTE (tons/yr)				Total HAPS (tons/yr)
WELDING				PM/PM10	Mn	Ni	Cr	PM / PM10	Mn	Ni	Cr	
Metal Inert Gas Welding (MIG)	1	1.7	carbon steel	0.0241	0.00032	0.000001	0.000001	1.79E-01	2.38E-03	7.45E-06	7.45E-06	2.40E-03

Assume all PM is equal to PM10.
*Emission factors are from AP-42, Chapter 12.19, SCC 3-09-050 (January 1995), and are default values for carbon steel.

METHODOLOGY

PTE (tons/yr) = (# of stations) x (max. lbs of electrode used/hr/station) x (emission factor, lb. pollutant/lb. of electrode used) x 8,760 hrs/yr x 1 ton/2000 lbs

Appendix A: Emission Calculations
Summary

Company Name: Acuity Lighting Group, Inc.
Address: 1615 East Elmore Street, Crawfordsville, Indiana 47933
Permit Number: 107-23069-00037
Reviewer: ERG/TDP
Date: July 28, 2006

Process/Facility	PM	PM10	VOC	NOx	SO2	CO	HAPs
Uncontrolled PTE - Registration 107-12829-00037							
[1] Incinerator (Pyrolysis Cleaning Oven)	0.307	0.307	0.131	0.131	0.11	0.438	
[2] Pyrolysis cleaning oven (A4), air makeup units (A1 - A3 and B1 - B3), water treatment burners (A5 and A6), bake oven (A7) and drying oven (A8)	0.198	0.791	0.572	10.4	0.062	8.74	0.196
Welding	1.08	1.08					
[3] One (1) powder paint line and one (1) roll coating line	17.12	17.12	3.46				0.002
Uncontrolled PTE - MSOP 107-17896-00037							
Four (4) air makeup units (A9 - A12, two (2) boilers ($A13_1$ and $A13_2$) and three (3) dryers at the anodizing line (A14 and A15)	0.186	0.745	0.539	9.81	0.059	8.24	0.185
Fifteen (15) buffing machines	52.7	52.7					
Glueing and ultraviolet painting			0.084				0.029
Paved and unpaved roads	0.216	0.013					
[4] One (1) anodizing line (excluding dryers)	7.6	7.6		4.03	0.35		
Uncontrolled PTE - MPR 107-21344-00037							
Proposed Paint Booths, P4 and P5	12.89	12.89	14.16				11.80
Uncontrolled PTE - MSOP 107-23069-00037 - New Emission Units							
One (1) Painting and One (1) Glueing Operation	0.00	0.00	0.08				
One (1) Welding Operation	1.79E-01	1.79E-01					2.40E-03
Totals	**92.5**	**93.4**	**19.0**	**24.4**	**0.58**	**17.4**	**12.2**

[1] Emissions resulting from burn off.
[2] Combustion Emissions.
[3] The one (1) roll coating line has been removed.
[4] From TSD pg 6 (107-17896-00037).