



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: November 5, 2010

RE: FCC (Adams), LLC / 001-29695-00064

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

## Notice of Decision: Approval - Registration

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 4-21.5-3-4(d) this order is effective when it is served. When served by U.S. mail, the order is effective three (3) calendar days from the mailing of this notice pursuant to IC 4-21.5-3-2(e).

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

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

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

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

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

Enclosures  
FN-REGIS.dot 1/2/08



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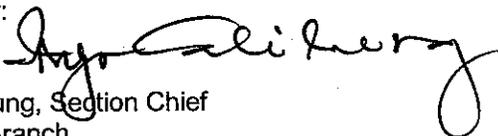
**REGISTRATION  
OFFICE OF AIR QUALITY**

**FCC (Adams), LLC  
936 E Parr Road  
Berne, Indiana 46711**

Pursuant to 326 IAC 2-5.1 (Construction of New Sources: Registrations) and 326 IAC 2-5.5 (Registrations), (herein known as the Registrant) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this registration.

Registration No. 001-26137-00064	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: June 5, 2008

First Registration Revision No. 001-28538-00064, issued November 18, 2009

Second Registration Revision No. 001-29695-00064	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date:  November 5, 2010

## SECTION A

## SOURCE SUMMARY

This registration 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 Registrant 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 Registrant to obtain additional permits pursuant to 326 IAC 2.

### A.1 General Information

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The Registrant owns and operates a stationary clutch packs manufacturing plant.

Source Address:	936 East Parr Rd., Berne, Indiana, 46711
Mailing Address:	936 East Parr Rd., Berne, Indiana, 46711
General Source Phone Number:	(260) 589 - 8555
SIC Code:	3714
County Location:	Adams County
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Registration

### A.2 Emission Units and Pollution Control Equipment Summary

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

#### Main Building Emission Units:

- (a) One (1) shot blasting unit, identified as SB-4, approved for construction in 2009, with a maximum glass bead based media capacity of 850 pounds per hour, controlled by bag filters and venting indoors.
- (b) Nine (9) parts washers, consisting of the following units:
  - (1) One (1) press washer, identified as W-1, constructed in 2006, using 1560 gallons of Kleen-Eze 305 solution per year;
  - (2) One (1) Deburr washer, identified as W-2, constructed in 2006, using 416 gallons of J and B 1097 solution per year;
  - (3) One (1) Hub washer, identified as W-3, constructed in 2006, using 520 gallons of J and B 1097 solution per year;
  - (4) One (1) Assembly washer (West), identified as W-4, constructed in 2006, using 1300 gallons of M-1 solution per year;
  - (5) One (1) RGW washer, identified as W-5, constructed in 2006, using 156 gallons of J and B 1097 solution per year;
  - (6) One (1) Flow Forming washer, identified as W-6, approved for construction in 2009, using 208 gallons of J and B solution per year; and
  - (7) One (1) Assembly washer (East), identified as W-7, approved for construction in 2009, using 540 gallons of M-1 solution per year; and
  - (8) One (1) Die Cleaning Machine, identified as W-8, approved for construction in 2009, using 68 gallons of Safety-Kleen Premium Solvent per year.
  - (9) One (1) Stoeling Hub Line Washer, identified as W-9, approved for construction in 2010, using a maximum of 312 gallons per year of J&B 1097 as the cleaning

solution.

- (c) Twenty (20) lathe machines, where coolant solution continuously flooding the machining interface, exhausting to the interior; with no particulate emissions and VOC emissions are determined at 100% flash off, consisting of the following units:
- (1) One (1) A-1 Lathe 1, identified as L-1, constructed in 2004, with a maximum production rate of 104.66 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (2) One (1) A-2 Lathe 2, identified as L-2, constructed in 2004, with a maximum production rate of 52.33 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (3) One (1) A-2 Lathe 3, identified as L-3, constructed in 2004, with a maximum production rate of 52.33 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (4) One (1) B Lathe 1, identified as L-4, constructed in 2004, with a maximum production rate of 104.66 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (5) One (1) RWG Lathe 1, identified as L-5, constructed in 2006, with a maximum production rate of 78.50 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (6) One (1) RWG Lathe 2, identified as L-6, constructed in 2006, with a maximum production rate of 78.5 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (7) One (1) A-1 Lathe 4, identified as L-7, constructed in 2008, with a maximum production rate of 104.66 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (8) One (1) A-2 Lathe 5, identified as L-8, constructed in 2008, with a maximum production rate of 52.33 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (9) One (1) B Lathe 2, identified as L-9, constructed in 2008, with a maximum production rate of 104.66 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (10) One (1) OP0 Flow Form Lathe, identified as L-10, approved for construction in 2009, with a maximum production rate of 60.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (11) One (1) OP10 Flow Form Lathe, identified as L-11, approved for construction in 2009, with a maximum production rate of 60.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (12) One (1) OP20 Flow Form Lathe, identified as L-12, approved for construction in 2009, with a maximum production rate of 60.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (13) One (1) OP30 Flow Form Lathe, identified as L-13, approved for construction in 2009, with a maximum production rate of 60.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (14) One (1) OP20 Flow Form Lathe 2, identified as L-14, approved for construction in 2009, with a maximum production rate of 60.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (15) One (1) OP30 Flow Form Lathe 2, identified as L-15, approved for construction in 2009,

- with a maximum production rate of 60.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
- (16) One (1) OP10 Flow Form Lathe, identified as L-16, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (17) One (1) OP20 Flow Form Lathe, identified as L-17, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (18) One (1) OP30 Flow Form Lathe, identified as L-18, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (19) One (1) OP40 Flow Form Lathe, identified as L-19, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil; and
  - (20) One (1) OP50 Flow Form Lathe, identified as L-20, approved for construction in 2010, with a maximum production rate of 80.0 units per hour, using Seal Cool 3990 as a cutting coolant oil.
- (d) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including:
- (1) Nine (9) natural gas fired rooftop heaters, identified as RTU-1 to RTU-9, each constructed in 2004 rated between 0.2 and 0.5 MMBtu/hr, with a combined capacity rating of 3.335 MMBtu/hr, and exhaust indoors.
  - (2) Four (4) natural gas propeller unit heaters, identified as UH-1 to UH-4, each constructed in 2004, rated between 0.075 and 0.12 MMBtu/hr, with a combined capacity rating of 0.345 MMBtu/hr, and exhaust indoors.
  - (3) One (1) 0.4 MMBtu/hr direct-fired natural gas air make-up unit, identified as AMU-1, constructed in 2007.
  - (4) One (1) natural gas-fired heat exchanger, identified as HE-1, approved for construction in 2009, with a maximum heat input capacity of 0.12 MMBtu/hr.
  - (5) One (1) 1.5 MMBtu/hr natural gas water evaporator heater, identified as EH-1, constructed in 2004.
- (e) Three Oil Machines, consisting of the following:
- (1) One (1) Oil Hole machine, identified as OH-1, approved for construction in 2010, with a maximum production rate of 350.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (2) One (1) Oil Hole machine, identified as OH-2, approved for construction in 2010, with a maximum production rate of 350.0 units per hour, using Seal Cool 3990 as a cutting coolant oil; and
  - (3) One (1) Oil Hole machine, identified as OH-3, approved for construction in 2010, with a maximum production rate of 350.0 units per hour, using Seal Cool 3990 as a cutting coolant oil.

Die Cast Building Emission Units:

- (f) Four (4) natural gas-fired aluminum melting furnaces, including:
  - (1) MF-1, constructed in 2007, with a maximum capacity of 500 pounds of aluminum per hour, with a maximum heat input capacity of 0.5 MMBtu/hr, exhausting to stack S-6.
  - (2) MF-2, constructed in 2007, with a maximum capacity of 500 pounds of aluminum per hour, with a maximum heat input capacity of 0.5 MMBtu/hr, exhausting to stack S-6.
  - (3) MF-3, constructed in 2007, with a maximum capacity of 500 pounds of aluminum per hour, with a maximum heat input capacity of 0.5 MMBtu/hr, exhausting to stack S-7.
  - (4) MF-4, constructed in 2008, with a maximum capacity of 441 pounds of aluminum per hour, with a maximum heat input capacity of 0.7 MMBtu/hr, exhausting to stack S-7.
- (g) Four (4) die casting machines (pouring and casting), including:
  - (1) DC-1, constructed in 2007, with a maximum capacity of 0.09 tons of aluminum per hour, venting indoors.
  - (2) DC-2, constructed in 2007, with a maximum capacity of 0.09 tons of aluminum per hour, venting indoors.
  - (3) DC-3, constructed in 2007, with a maximum capacity of 0.124 tons of aluminum per hour, venting indoors.
  - (4) DC-4, constructed in 2008, with a maximum capacity of 0.124 tons of aluminum per hour, venting indoors.
- (h) Three (3) shot blasting units, including:
  - (1) SB-1, constructed in 2007, with a maximum zinc based media capacity of 14,072 pounds per hour, controlled by bag filters, venting indoors.
  - (2) SB-2, constructed in 2007, with a maximum zinc based media capacity of 14,072 pounds per hour, controlled by bag filters, venting indoors.
  - (3) SB-3, constructed in 2008, with a maximum zinc based media capacity of 14,072 pounds per hour, controlled by bag filters, venting indoors.
- (i) Three (3) parts washers, consisting of the following units:
  - (1) One (1) Die Cast Washer 1, identified as WDC-1, constructed in 2007, using 104 gallons of J and B 1097 solution per year;
  - (2) One (1) Die Cast Washer 2, identified as WDC-2, constructed in 2007, using water as the washing solution; and
  - (3) One (1) Die Cast Washer 3, identified as WDC-3, approved for construction in 2009, using water as the washing solution
- (j) Seventeen (17) lathe machines, where coolant solution continuously flooding the machining interface, exhausting to the interior; with no particulate emissions and VOC emissions are determined at 100% flash off, consisting of the following units:

- (1) One (1) DC A-1 Lathe 1, identified as LDC-1, constructed in 2007, with a maximum production rate of 52.33 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (2) One (1) DC A-1 Lathe 2, identified as LDC-2, constructed in 2007, with a maximum production rate of 52.33 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (3) One (1) DC A-2 Lathe 3, identified as L-3, constructed in 2007, with a maximum production rate of 52.33 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (4) One (1) DC A-2 Lathe 4, identified as LDC-4, constructed in 2007, with a maximum production rate of 78.50 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (5) One (1) DC-B-1 Lathe 1, identified as LDC-5, constructed in 2007, with a maximum production rate of 78.50 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (6) One (1) DC-B-1 Lathe 2, identified as LDC-6, constructed in 2007, with a maximum production rate of 78.50 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (7) One (1) DC-B-1 Lathe 3, identified as LDC-7, constructed in 2007, with a maximum production rate of 78.50 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (8) One (1) DC-B-1 Lathe 4, identified as LDC-8, constructed in 2007, with a maximum production rate of 78.50 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (9) One (1) DC-B-1 Lathe 5, identified as LDC-9, constructed in 2007, with a maximum production rate of 78.50 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (10) One (1) 6R140 DC Lathe 1, identified as LDC-10, approved for construction in 2009, with a maximum production rate of 60.0 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (11) One (1) 6R140 DC Lathe 2, identified as LDC-11, approved for construction in 2009, with a maximum production rate of 60.0 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (12) One (1) Manual West DC Lathe, identified as LDC-12, approved for construction in 2009, with a maximum production rate of 78.50 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (13) One (1) Manual East DC Lathe, identified as LDC-13, approved for construction in 2009, with a maximum production rate of 78.50 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (14) One (1) 6R140 DC Lathe 3, identified as LDC-14, approved for construction in 2009, with a maximum production rate of 60.0 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (15) One (1) 6R140 DC Lathe 4, identified as LDC-15, approved for construction in 2009, with a maximum production rate of 60.0 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (16) One (1) 6R80DC Lathe, identified as LDC-16, approved for construction in 2009, with a maximum production rate of 52.33 units per hour, using Yumate EC 980 as a cutting coolant oil;
- (17) One (1) 6R80 DC Lathe, identified as LDC-17 approved for construction in 2009, with a maximum production rate of 78.50 units per hour, using Yumate EC 980 as a cutting

coolant oil;

- (k) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including:
- (1) Three (3) natural gas fired rooftop heaters, identified as RTUDE-1 to RTUDC-3, each constructed in 2007 rated between 0.12 and 0.4 MMBtu/hr, with a combined capacity rating of 0.77 MMBtu/hr, and exhaust indoors.
  - (2) Two (2) natural gas propeller unit heaters, identified as UHDC-1 and UHDC-2, each constructed in 2007, rated at 0.12 MMBtu/hr, each, with a combined capacity rating of 0.24 MMBtu/hr, and exhaust indoors.
- (l) Facility-wide activities that do not generate any or significant amounts of criteria pollutant or HAP emissions, including the following units (based on information provided by the source):
- (1) Four (4) grob machines and presses; constructed in 2004, 2005, and 2007, respectively; utilizing Draw-Eze 571 as a machining fluid. There are no criteria pollutants or HAPs emitted from this process;
  - (2) Three (3) electron-beam welders;
  - (3) One (1) metal forming press;
  - (4) One (1) Rosler debur machine, using ZF3325 as the compound fluid and AR 8047 as the flocculant fluid;
  - (5) Several demagnetizers;
  - (6) Several laser markers;
  - (7) One flow forming machine, using Galaxy GX 3020 as a machining fluid;
  - (8) On manual o-ring lubing process using a maximum of 5 gallons per week of ATF-94-A fluid;
  - (9) Several mechanical brushing presses;
  - (10) Several small brush debur machines;
  - (11) One (1) pierce machine;
  - (12) One (1) ink stamp;
  - (13) One (1) enclosed chop saw, using Seal Cool 1420 machining fluid for quality control;
  - (14) One (1) band saw for quality control; and
  - (15) Several miscellaneous assembly operations using mechanical processes.
  - (16) One (1) Bushing Press;
  - (17) One (1) Small Brush Debur Machine; and
  - (18) One (1) Gear Shaping Machine.

## SECTION B

## GENERAL CONDITIONS

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

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Terms in this registration shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

### B.2 Effective Date of Registration [IC 13-15-5-3]

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Pursuant to IC 13-15-5-3, this registration is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

### B.3 Registration Revocation [326 IAC 2-1.1-9]

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

- (a) Violation of any conditions of this registration.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this registration.
- (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 registration shall not require revocation of this registration.
- (d) For any cause which establishes in the judgment of IDEM, the fact that continuance of this registration is not consistent with purposes of this article.

### B.4 Prior Permits Superseded [326 IAC 2-1.1-9.5]

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- (a) All terms and conditions of permits established prior to Registration No. 001-26137-00064 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted.
- (b) All previous registrations and permits are superseded by this registration.

### B.5 Annual Notification [326 IAC 2-5.1-2(f)(3)] [326 IAC 2-5.5-4(a)(3)]

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Pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3):

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

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

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

**B.6 Source Modification Requirement [326 IAC 2-5.5-6(a)]**

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Pursuant to 326 IAC 2-5.5-6(a), an application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

**B.7 Registrations [326 IAC 2-5.1-2(i)]**

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Pursuant to 326 IAC 2-5.1-2(i), this registration does not limit the source's potential to emit.

**B.8 Preventive Maintenance Plan [326 IAC 1-6-3]**

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(a) If required by specific condition(s) in Section D of this registration, the Registrant shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this registration or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The Registrant shall implement the PMPs.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Registrant to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (c) To the extent the Registrant is required by 40 CFR Part 60 or 40 CFR Part 63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such OMM Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**SECTION C**

**SOURCE OPERATION CONDITIONS**

Entire Source

**Emission Limitations and Standards [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]**

**C.1 Opacity [326 IAC 5-1]**

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

- (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.2 Fugitive Dust Emissions [326 IAC 6-4]**

The Registrant 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).

## SECTION D.1

## OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

Main Building Emission Units:

- (a) One (1) shot blasting unit, identified as SB-4, approved for construction in 2009, with a maximum glass bead based media capacity of 850 pounds per hour, controlled by bag filters and venting indoors.
- (b) Nine (9) parts washers, consisting of the following units:
  - (1) One (1) press washer, identified as W-1, constructed in 2006, using 1560 gallons of Kleen-Eze 305 solution per year;
  - (2) One (1) Deburr washer, identified as W-2, constructed in 2006, using 416 gallons of J and B 1097 solution per year;
  - (3) One (1) Hub washer, identified as W-3, constructed in 2006, using 520 gallons of J and B 1097 solution per year;
  - (4) One (1) Assembly washer (West), identified as W-4, constructed in 2006, using 1300 gallons of M-1 solution per year;
  - (5) One (1) RGW washer, identified as W-5, constructed in 2006, using 156 gallons of J and B 1097 solution per year;
  - (6) One (1) Flow Forming washer, identified as W-6, approved for construction in 2009, using 208 gallons of J and B solution per year; and
  - (7) One (1) Assembly washer (East), identified as W-7, approved for construction in 2009, using 540 gallons of M-1 solution per year; and
  - (8) One (1) Die Cleaning Machine, identified as W-8, approved for construction in 2009, using 68 gallons of Safety-Kleen Premium Solvent per year.
  - (9) One (1) Stoeling Hub Line Washer, identified as W-9, approved for construction in 2010, using a maximum of 312 gallons per year of J&B 1097 as the cleaning solution.

Die Cast Building Emission Units:

- (h) Three (3) shot blasting units, including:
  - (1) SB-1, constructed in 2007, with a maximum zinc based media capacity of 14,072 pounds per hour, controlled by bag filters, venting indoors.
  - (2) SB-2, constructed in 2007, with a maximum zinc based media capacity of 14,072 pounds per hour, controlled by bag filters, venting indoors.
  - (3) SB-3, constructed in 2008, with a maximum zinc based media capacity of 14,072 pounds per hour, controlled by bag filters, venting indoors.

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

## **Emission Limitations and Standards [326 IAC 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]**

### **D.1.1 Particulate Emission Limitations [326 IAC 6-3-2]**

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- (a) Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the shot blasting unit SB-4 shall not exceed 2.31 pounds per hour, when operating at a process weight rate of 0.43 tons per hour.
- (b) Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the shot blasting units, SB-1, SB-2, and SB-3 shall each not exceed 16.90 pounds per hour, when operating at a process weight rate of 8.28 tons per hour each.

The pound per hour limitations were calculated with the following equation:

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:

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

### **D.1.2 VOC Rules: Organic Solvent Degreasing Operations [326 IAC 8-3-4] [326 IAC 8-3-7]**

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- (a) Pursuant to 326 IAC 8-3-4, the Registrant shall perform the following for the parts washers, identified as W-1 through W-9:
  - (1) Minimize carryout emissions by:
    - (A) Racking parts for best drainage;
    - (B) Maintaining the vertical conveyor speed at less than 3.3 meters per minute (eleven (11) feet per minute);
  - (2) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere;
  - (3) Repair solvent leaks immediately, or shut down the degreaser;
  - (4) No use workplace fans near the degreaser opening;
  - (5) No allow water in solvent exiting the water separator; and
  - (6) Provide a permanent, conspicuous label summarizing the operating requirements.
- (b) Pursuant to 326 IAC 8-3-7, the Registrant shall perform the following for the parts washers, identified as W-1 through W-9:
  - (1) Equip the degreaser's entrances and exits with downtime covers which are closed when the degreaser is not operating.
  - (2) Equip the degreaser with the following switches:
    - (A) A condenser flow switch and thermostat which shuts off sump heat if condenser coolant stops circulating or becomes too warm.
    - (B) A spray safety switch which shuts off spray pump if the vapor level drops more than ten (10) centimeters (four (4) inches).
    - (C) A vapor level control thermostat which shuts off sump heat when vapor level rises more than ten (10) centimeters (four (4) inches).

- (3) Equip the degreaser with entrances and exits which silhouette workloads in such a manner that the average clearance between the articles and the degreaser opening is either less than ten (10) centimeters (four (4) inches) or less than ten percent (10%) of the width of the opening.
- (4) Equip the degreaser with a drying tunnel, rotating or tumbling basket, or other equipment which prevents cleaned articles from carrying out solvent liquid or vapor.
- (5) Equip the degreaser with a permanent, conspicuous label which lists the operating requirements.
- (6) Equip the degreaser with one (1) of the following control devices:
  - (A) A refrigerated chiller.
  - (B) A carbon adsorption system with ventilation which, with the downtime covers open, achieves a ventilation rate of greater than or equal to fifteen (15) cubic meters per minute per square meter (fifty (50) cubic feet per minute per square foot) of air to solvent interface area, and an average of less than twenty-five (25) parts per million of solvent is exhausted over one (1) complete adsorption cycle.
  - (C) Other systems of demonstrated equivalent or better control as those outlined in clause (A) or (B). Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (7) The owner or operator of a conveyORIZED degreaser shall also ensure that the following operating requirements are met:
  - (A) Minimize solvent carryout emissions by the following:
    - (i) Racking articles to allow complete drainage.
    - (ii) Maintaining the vertical conveyor speed at less than three and three-tenths (3.3) meters per minute (eleven (11) feet per minute).
  - (B) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.
  - (C) Repair solvent leaks immediately or shut down the degreaser if leaks cannot be repaired immediately.
  - (D) Prohibit the exhaust ventilation rate from exceeding twenty (20) cubic meters per minute per square meter (sixty-five (65) cubic feet per minute per square foot) of degreaser opening unless a greater ventilation rate is necessary to meet Occupational Safety and Health Administration requirements.
  - (E) Prohibit the use of workplace fans near the degreaser opening.
  - (F) Prohibit visually detectable water in the solvent exiting the water separator.
  - (G) Cover entrances and exits at all times except when processing workloads through the degreaser.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH**

**REGISTRATION  
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3).

<b>Company Name:</b>	FCC (Adams), LLC
<b>Address:</b>	936 East Parr Rd.,
<b>City:</b>	Berne, Indiana 46711
<b>Phone Number:</b>	(260) 589-8555
<b>Registration No.:</b>	R001-26137-00064

I hereby certify that FCC (Adams), LLC is :

- still in operation.
- no longer in operation.
- in compliance with the requirements of Registration No.:001-26137-00064.
- not in compliance with the requirements of Registration No. 001-26137-00064.

I hereby certify that FCC (Adams), LLC is :

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

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

<b>Noncompliance:</b>

## Indiana Department of Environmental Management Office of Air Quality

### Technical Support Document (TSD) for a Registration Revision

#### Source Description and Location

**Source Name:** FCC (Adams), LLC  
**Source Location:** 936 E Parr Road, Berne, IN 46711  
**County:** Adams  
**SIC Code:** 3714  
**Registration No.:** 001-26137-00064  
**Registration Issuance Date:** June 5, 2008  
**Registration Revision No.:** 001-29695-00064  
**Permit Reviewer:** Jack Harmon

On September 20, 2010, the Office of Air Quality (OAQ) received an application from FCC (Adams), LLC related to a modification to an existing clutch pack manufacturing plant.

#### Existing Approvals

The source was issued Registration No. 001-26137-00064 on June 5, 2008. The source has since been issued a Registration Revision No. 001-28538-00064 on November 18, 2009.

#### County Attainment Status

The source is located in Adams County.

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard. <sup>1</sup>
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Not designated.
<sup>1</sup> Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM2.5.	

- (a) **Ozone Standards**  
 Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Adams County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM2.5**  
 Adams County has been classified as attainment for PM2.5. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM2.5 emissions, and the effective date of these rules was July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements.

The May 8, 2008 rule revisions require IDEM to regulate PM10 emissions as a surrogate for PM2.5 emissions until 326 IAC 2-2 is revised.

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

**Fugitive Emissions**

The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-5.1-2 (Registrations) applicability.

**Status of the Existing Source**

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

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)								
	PM	PM10	PM2.5	SO <sub>2</sub>	NOx	VOC	CO	Total HAPs	Worst Single HAP
<b>Main Building Units</b>									
Shot Blasting (SB-4)	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00
Parts Washing (W-1 through W-5)	0.00	0.00	0.00	0.00	0.00	1.57	0.00	0.00	0.00
Lathes (L-1 through L-9)	0.00	0.00	0.00	0.00	0.00	2.15	0.00	0.00	0.00
Combustion (RTU-1 through RTU-9, UH-1 through UH-4, AMU-1, EH-1)	0.19	0.19	0.19	0.02	2.50	0.14	2.10	0.05	0.05 (hexane)
<b>Die Cast Building Units</b>									
Melting Furnaces (Process) (MF-1 through MF-4)	4.68	4.68	4.68	0.00	0.00	0.00	0.00	0.00	0.00
Die Casting (DC-1 through DC-4)	0.00	0.00	0.00	0.04	0.02	0.26	0.00	0.00	0.00
Shot Blasting (SB-1 through SB-3)	8.93	8.93	8.93	0.00	0.00	0.00	0.00	0.00	0.00
Parts Washing (WDC-1 through WDC-2)	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
Lathes (LDC-1 through LDC-9)	0.00	0.00	0.00	0.00	0.00	12.35	0.00	0.00	0.00
Combustion (RTUDE-1 through RTUDE-3, UHDC-1, UHDC-2, MF-1 through MF-4)	0.10	0.10	0.10	0.01	1.41	0.08	1.18	0.02	0.02 (hexane)
<b>Total PTE of the Entire Source</b>	16.88	16.88	16.88	0.07	3.92	16.57	3.28	0.07	0.068 (Hexane)

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)								
	PM	PM10	PM2.5	SO <sub>2</sub>	NOx	VOC	CO	Total HAPs	Worst Single HAP
Exemptions Levels	5	5	5	10	10	5 or 10	25	25	10
Registration Levels	25	25	25	25	25	25	100	25	10
These emissions are based upon R001-26137-00064 and First Revision 001-28538-00064.									

**Description of Proposed Revision**

The Office of Air Quality (OAQ) has reviewed an application, submitted by FCC (Adams), LLC on September 20, 2010, relating to a change in production and the addition of a new hub line, consisting of five new lathes, similar to existing lathes, one new parts washer, similar to existing parts washers, and three new oil hole machines, using cutting oil that is the same as existing cutting machines, and the addition of several units that do not generate emissions to the registration. The addition of the new units will not trigger any new applicable requirements, and the potential to emit will allow the source to remain a registration. The detailed potential to emit of the new units and of the entire source after the revision are shown in the calculations worksheets in Appendix A of this technical support document.

The following is a list of the new and modified emission units and pollution control devices:

**New Hub Line Emissions Units:**

- (a) Five (5) new lathes, consisting of the following:
  - (1) One (1) OP10 Flow Form Lathe, identified as L-16, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (2) One (1) OP20 Flow Form Lathe, identified as L-17, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (3) One (1) OP30 Flow Form Lathe, identified as L-18, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
  - (4) One (1) OP40 Flow Form Lathe, identified as L-19, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil; and
  - (5) One (1) OP50 Flow Form Lathe, identified as L-20, approved for construction in 2010, with a maximum production rate of 80.0 units per hour, using Seal Cool 3990 as a cutting coolant oil.
- (b) One (1) Stoeling Hub Line Washer, identified as W-9, approved for construction in 2010, using a maximum of 312 gallons per year of J&B 1097 as the cleaning solution.
- (c) Three (3) Oil Hole Machines, consisting of the following:
  - (1) One (1) Oil Hole machine, identified as OH-1, approved for construction in 2010, with a maximum production rate of 350.0 units per hour, using Seal Cool 3990 as a cutting

coolant oil;

- (2) One (1) Oil Hole machine, identified as OH-2, approved for construction in 2010, with a maximum production rate of 350.0 units per hour, using Seal Cool 3990 as a cutting coolant oil; and
  - (3) One (1) Oil Hole machine, identified as OH-3, approved for construction in 2010, with a maximum production rate of 350.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;
- (d) The Hub Line has the following insignificant units that do not generate emissions to the registration:
- (1) One (1) Bushing Press;
  - (2) One (1) Small Brush Debur Machine; and
  - (3) One (1) Gear Shaping Machine.

**Enforcement Issues**

There are no pending enforcement actions related to this revision.

**Emission Calculations**

See Appendix A of this TSD for detailed emission calculations.

**Permit Level Determination – Registration Revision**

The following table is used to determine the appropriate permit level under 326 IAC 2-5.5-6. This table reflects the PTE before controls of the proposed revision.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)								
	PM	PM10*	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs	Worst Single HAP
New Lathe Machines L-16 through L-20	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
New Stoeling Parts Washer (W-9)	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
New Oil Hole Machines (OH-1 through OH-3)	0.00	0.00	0.00	0.00	0.00	4.36	0.00	0.00	0.00
Total PTE of Proposed Revision	0.00	0.00	0.00	0.00	0.00	5.40	0.00	0.00	0.00

\* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant". PM10 and PM2.5 are presumed to be equal to PM.

This Registration is being revised through a Registration Revision pursuant to 326 IAC 2-5.5.6(g), because the revision involves the construction of emission units with potential to emit (PTE) VOC greater than the thresholds in 326 IAC 2-5.5.6(d)(10) and 326 IAC 2-5.5.6(d)(12).

**PTE of the Entire Source After Issuance of the Registration Revision**

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. Additions are shown in **Bold** and changes are in ~~Strikeout~~:

Process/ Emission Unit	Potential To Emit of the Entire Source with the Revision (tons/year)								
	PM	PM10*	PM2.5	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	Total HAPs	Worst Single HAP
Main Building Units									
Shot Blasting (SB-4)	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00
Parts Washing (W-1 through W-9)	0.00	0.00	0.00	0.00	<del>1.57</del> <b>1.61</b>	0.00	0.00	0.00	0.00
Lathes (L-1 through L-20)	0.00	0.00	0.00	0.00	<del>2.15</del> <b>3.15</b>	0.00	0.00	0.00	0.00
Combustion (RTU-1 through RTU-9, UH-1 through UH-4, AMU-1, HE-1, EH-1)	0.19	0.19	0.19	0.02	0.14	2.10	2.50	0.05	0.05
<b>Oil Hole Machines (OH-1 through OH-3)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>4.36</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
Die Cast Building Units									
Melting Furnaces (Process) (MF-1 through MF-4)	4.68	4.68	4.68	0.00	0.00	0.00	0.00	0.00	0.00
Die Casting (DC-1 through DC-4)	0.00	0.00	0.00	0.04	0.26	0.00	0.02	0.00	0.00
Shot Blasting (SB-1 through SB-3)	8.93	8.93	8.93	0.00	0.00	0.00	0.00	0.00	0.00
Parts Washing (WDC-1 through WDC-3)	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
Lathes (LDC-1 through LDC-17)	0.00	0.00	0.00	0.00	12.35	0.00	0.00	0.00	0.00
Combustion (RTUDE-1 through RTUDE-3, UHDC-1, UHDC-2, MF-1 through MF-4)	0.10	0.10	0.10	0.01	0.08	1.18	1.41	0.02	0.02
Total PTE of Entire Source	16.88	16.88	16.88	0.07	<del>16.57</del> <b>21.97</b>	3.28	3.92	0.07	0.07
Exemptions Levels	5	5	5	10	10	5 or 10	25	25	10
Registration Levels	25	25	25	25	25	25	100	25	10
* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".									

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted)

Process/ Emission Unit	Potential To Emit of the Entire Source with the Revision (tons/year)								
	PM	PM10*	PM2.5	SO <sub>2</sub>	VOC	CO	NOx	Total HAPs	Worst Single HAP
<b>Main Building Units</b>									
Shot Blasting (SB-4)	2.98	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00
Parts Washing (W-1 through W-9)	0.00	0.00	0.00	0.00	1.61	0.00	0.00	0.00	0.00
Lathes (L-1 through L-20)	0.00	0.00	0.00	0.00	3.15	0.00	0.00	0.00	0.00
Combustion (RTU-1 through RTU-9, UH-1 through UH-4, AMU-1, HE-1, EH-1)	0.19	0.19	0.19	0.02	0.14	2.10	2.50	0.05	0.05
Oil Hole Machines (OH-1 through OH-3)	0.00	0.00	0.00	0.00	4.36	0.00	0.00	0.00	0.00
<b>Die Cast Building Units</b>									
Melting Furnaces (Process) (MF-1 through MF-4)	4.68	4.68	4.68	0.00	0.00	0.00	0.00	0.00	0.00
Die Casting (DC-1 through DC-4)	0.00	0.00	0.00	0.04	0.26	0.00	0.02	0.00	0.00
Shot Blasting (SB-1 through SB-3)	8.93	8.93	8.93	0.00	0.00	0.00	0.00	0.00	0.00
Parts Washing (WDC-1 through WDC-3)	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
Lathes (LDC-1 through LDC-17)	0.00	0.00	0.00	0.00	12.35	0.00	0.00	0.00	0.00
Combustion (RTUDE-1 through RTUDE-3, UHDC-1, UHDC-2, MF-1 through MF-4)	0.10	0.10	0.10	0.01	0.08	1.18	1.41	0.02	0.02
<b>Total PTE of Entire Source</b>	16.88	16.88	16.88	0.07	21.97	3.28	3.92	0.07	0.07
Exemptions Levels	5	5	5	10	10	5 or 10	25	25	10
Registration Levels	25	25	25	25	25	25	100	25	10
* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".									

- (a) This revision will not change the registration status of the source, because the uncontrolled/unlimited potential to emit of PM, PM10, and VOC from the entire source will still be within the ranges listed in 326 IAC 2-5.5-1(b)(1) and the PTE of all other regulated criteria pollutants will still be less than the ranges listed in 326 IAC 2-5.5-1(b)(1). Therefore, the source will still be subject to the provisions of 326 IAC 2-5.5 (Registrations).
- (b) This revision will not change the minor status of the source, because the uncontrolled/unlimited potential to emit of any single HAP will still be less than ten (10) tons per year and the PTE of a combination of HAPs will still be less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of

326 IAC 2-7.

### Federal Rule Applicability Determination

The federal rule applicability for this revision is as follows:

#### New Source Performance Standards (NSPS)

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

#### National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (b) This source is not subject to the requirements of the 40 CFR Subpart T (63.460 Through 63.470), NESHAP for for Halogenated Solvent Cleaning, because all of the parts washers at this source do not use a degreasing solvent that contains any of the halogenated compounds listed in 40 CFR 63.460(a).
- (c) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included for this proposed revision.

#### Compliance Assurance Monitoring (CAM)

- (d) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

### State Rule Applicability Determination

The following state rules are applicable to the proposed revision:

- (a) 326 IAC 2-5.5 (Registrations)  
Registration applicability is discussed under the Permit Level Determination – Registration section above.
- (b) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))  
The proposed revision is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the revision is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.
- (c) 326 IAC 2-6 (Emission Reporting)  
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (d) 326 IAC 5-1 (Opacity Limitations)  
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
- (1) 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.
  - (2) 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.

- (e) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)  
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.

W-9, L-16 through L-20, and OH-1 through OH-3

- (g) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)  
None of these units are subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from each is less than twenty-five (25) tons per year.
- (h) 326 IAC 8-3-4 (VOC Rules: Organic Solvent Degreasing Operations)  
Parts Washers, identified as W-1 through W-9 are subject to the requirements of 326 IAC 8-3-4 because they are conveyORIZED operations that move parts into and out of the degreasing chamber bath with an air-to-solvent ratio of 21.6 square feet or more, the solvents contain VOCs, and were constructed after July 1, 1990. Therefore, the following rules apply to parts washers W-1 through W-9:

The owner or operator shall;

- (1) Minimize carryout emissions by:
    - (A) Racking parts for best drainage;
    - (B) Maintaining the vertical conveyor speed at less than 3.3 meters per minute (eleven (11) feet per minute);
  - (2) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere;
  - (3) Repair solvent leaks immediately, or shut down the degreaser;
  - (4) No use workplace fans near the degreaser opening;
  - (5) No allow water in solvent exiting the water separator; and
  - (6) Provide a permanent, conspicuous label summarizing the operating requirements.
- (i) 326 IAC 8-3-7 (VOC Rules: ConveyORIZED Degreaser Operation and Control)  
Parts Washers, identified as W-1 through W-9 are subject to the requirements of 326 IAC 8-3-7 because they are conveyORIZED operations that move parts into and out of the degreasing chamber bath with an air-to-solvent ratio of 21.6 square feet or more, the solvents contain VOCs, and were constructed after July 1, 1990.

Therefore, the owner or operator of parts washers W-1 through W-9 shall comply with the following:

- (1) Equip the degreaser's entrances and exits with downtime covers which are closed when the degreaser is not operating.
- (2) Equip the degreaser with the following switches:
  - (A) A condenser flow switch and thermostat which shuts off sump heat if condenser

- coolant stops circulating or becomes too warm.
- (B) A spray safety switch which shuts off spray pump if the vapor level drops more than ten (10) centimeters (four (4) inches).
- (C) A vapor level control thermostat which shuts off sump heat when vapor level rises more than ten (10) centimeters (four (4) inches).
- (3) Equip the degreaser with entrances and exits which silhouette workloads in such a manner that the average clearance between the articles and the degreaser opening is either less than ten (10) centimeters (four (4) inches) or less than ten percent (10%) of the width of the opening.
- (4) Equip the degreaser with a drying tunnel, rotating or tumbling basket, or other equipment which prevents cleaned articles from carrying out solvent liquid or vapor.
- (5) Equip the degreaser with a permanent, conspicuous label which lists the operating requirements.
- (6) Equip the degreaser with one (1) of the following control devices:
  - (A) A refrigerated chiller.
  - (B) A carbon adsorption system with ventilation which, with the downtime covers open, achieves a ventilation rate of greater than or equal to fifteen (15) cubic meters per minute per square meter (fifty (50) cubic feet per minute per square foot) of air to solvent interface area, and an average of less than twenty-five (25) parts per million of solvent is exhausted over one (1) complete adsorption cycle.
  - (C) Other systems of demonstrated equivalent or better control as those outlined in clause (A) or (B). Such systems shall be submitted to the U.S. EPA as a SIP revision.

The owner or operator of a conveyORIZED degreaser shall also ensure that the following operating requirements are met:

- (1) Minimize solvent carryout emissions by the following:
  - (A) Racking articles to allow complete drainage.
  - (B) Maintaining the vertical conveyor speed at less than three and three-tenths (3.3) meters per minute (eleven (11) feet per minute).
- (2) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.
- (3) Repair solvent leaks immediately or shut down the degreaser if leaks cannot be repaired immediately.
- (4) Prohibit the exhaust ventilation rate from exceeding twenty (20) cubic meters per minute per square meter (sixty-five (65) cubic feet per minute per square foot) of degreaser opening unless a greater ventilation rate is necessary to meet Occupational Safety and Health Administration requirements.
- (5) Prohibit the use of workplace fans near the degreaser opening.
- (6) Prohibit visually detectable water in the solvent exiting the water separator.
- (7) Cover entrances and exits at all times except when processing workloads through the degreaser.

- (j) There are no other 326 IAC 8 Rules that are applicable to these units.

<b>Proposed Changes</b>
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- (a) The following changes listed below are due to the proposed revision. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

- (1) Five (5) lathes have been added to Section A.2.
- (2) One (1) parts washer has been added to Section A.2.
- (3) Three (3) Oil Hole Machines have been added to Section A.2. Subsequent listings have been re-numbered accordingly.
- (4) One (1) Bushing Press, One (1) Small Brush Debur Machine, and One (1) Gear Shaping Machine have been added as activities that do not generate any significant criteria pollutants.
- (5) A new Condition has been added to Section D.1 due to the applicability of 326 IAC 8-3-4 and 326 IAC 8-3-7 for the new parts washer and existing parts washers.

- (b) Upon further review, IDEM, OAQ has decided to make the following changes to the permit. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

IDEM has decided to clarify Section B - Preventive Maintenance Plan

A.2 Emission Units and Pollution Control Equipment Summary

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

Main Building Emission Units:

---

- (b) ~~Eight~~ **Nine (89)** parts washers, consisting of the following units:

(1) ---

- (9) **One (1) Stoeling Hub Line Washer, identified as W-9, approved for construction in 2010, using a maximum of 312 gallons per year of J&B 1097 as the cleaning solution.**

- (c) ~~Fifteen~~ **Twenty (20)** lathe machines, where coolant solution continuously flooding the machining interface, exhausting to the interior; with no particulate emissions and VOC emissions are determined at 100% flash off, consisting of the following units:

(1) ---

- (16) **One (1) OP10 Flow Form Lathe, identified as L-16, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;**

- (17) **One (1) OP20 Flow Form Lathe, identified as L-17, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;**

- (18) **One (1) OP30 Flow Form Lathe, identified as L-18, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;**

- (19) One (1) OP40 Flow Form Lathe, identified as L-19, approved for construction in 2010, with a maximum production rate of 40.0 units per hour, using Seal Cool 3990 as a cutting coolant oil; and**
- (20) One (1) OP50 Flow Form Lathe, identified as L-20, approved for construction in 2010, with a maximum production rate of 80.0 units per hour, using Seal Cool 3990 as a cutting coolant oil.**
- (d) ---
- (e) Three Oil Machines, consisting of the following:**

  - (1) One (1) Oil Hole machine, identified as OH-1, approved for construction in 2010, with a maximum production rate of 350.0 units per hour, using Seal Cool 3990 as a cutting coolant oil;**
  - (2) One (1) Oil Hole machine, identified as OH-2, approved for construction in 2010, with a maximum production rate of 350.0 units per hour, using Seal Cool 3990 as a cutting coolant oil; and**
  - (3) One (1) Oil Hole machine, identified as OH-3, approved for construction in 2010, with a maximum production rate of 350.0 units per hour, using Seal Cool 3990 as a cutting coolant oil.**
- (ef) Four (4) natural gas-fired aluminum melting furnaces, including:  
---
- (fg) Four (4) die casting machines (pouring and casting), including;  
---
- (gh) Three (3) shot blasting units, including;  
---
- (hi) Three (3) parts washers, consisting of the following units:  
---
- (ij) Seventeen (17) lathe machines, where coolant solution continuously flooding the machining interface, exhausting to the interior; with no particulate emissions and VOC emissions are determined at 100% flash off, consisting of the following units:  
---
- (jk) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including:  
---
- (kl) Facility-wide activities that do not generate any or significant amounts of criteria pollutant or HAP emissions, including the following units (based on information provided by the source):  
---

- (16) One (1) Bushing Press;
- (17) One (1) Small Brush Debur Machine; and
- (18) One (1) Gear Shaping Machine.

SECTION B GENERAL CONDIITONS

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**B.8 Preventive Maintenance Plan [326 IAC 1-6-3]**

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(a) If required by specific condition(s) in Section D of this registration, the Registrant shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this registration or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
- (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
- (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The Registrant shall implement the PMPs.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Registrant to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (c) To the extent the Registrant is required by 40 CFR Part 60 or 40 CFR Part 63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such OMM Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

D.1 OPERATION CONDITIONS

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- (gh) Three (3) shot blasting units, including;

**D.1.2 VOC Rules: Organic Solvent Degreasing Operations [326 IAC 8-3-4] [326 IAC 8-3-7]**

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- (a) Pursuant to 326 IAC 8-3-4, the Registrant shall perform the following for the parts washers, identified as W-1 through W-9:
- (1) Minimize carryout emissions by:
    - (A) Racking parts for best drainage;
    - (B) Maintaining the vertical conveyor speed at less than 3.3 meters per minute (eleven (11) feet per minute);
  - (2) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere;
  - (3) Repair solvent leaks immediately, or shut down the degreaser;
  - (4) No use workplace fans near the degreaser opening;
  - (5) No allow water in solvent exiting the water separator; and
  - (6) Provide a permanent, conspicuous label summarizing the operating requirements.
- (b) Pursuant to 326 IAC 8-3-7, the Registrant shall perform the following for the parts washers, identified as W-1 through W-9:
- (1) Equip the degreaser's entrances and exits with downtime covers which are closed when the degreaser is not operating.
  - (2) Equip the degreaser with the following switches:
    - (A) A condenser flow switch and thermostat which shuts off sump heat if condenser coolant stops circulating or becomes too warm.
    - (B) A spray safety switch which shuts off spray pump if the vapor level drops more than ten (10) centimeters (four (4) inches).
    - (C) A vapor level control thermostat which shuts off sump heat when vapor level rises more than ten (10) centimeters (four (4) inches).
  - (3) Equip the degreaser with entrances and exits which silhouette workloads in such a manner that the average clearance between the articles and the degreaser opening is either less than ten (10) centimeters (four (4) inches) or less than ten percent (10%) of the width of the opening.
  - (4) Equip the degreaser with a drying tunnel, rotating or tumbling basket, or other equipment which prevents cleaned articles from carrying out solvent liquid or vapor.
  - (5) Equip the degreaser with a permanent, conspicuous label which lists the operating requirements.
  - (6) Equip the degreaser with one (1) of the following control devices:
    - (A) A refrigerated chiller.
    - (B) A carbon adsorption system with ventilation which, with the downtime covers open, achieves a ventilation rate of greater than or equal to fifteen (15) cubic meters per minute per square meter (fifty

- (50) cubic feet per minute per square foot) of air to solvent interface area, and an average of less than twenty-five (25) parts per million of solvent is exhausted over one (1) complete adsorption cycle.
- (C) Other systems of demonstrated equivalent or better control as those outlined in clause (A) or (B). Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (7) The owner or operator of a conveyORIZED degreaser shall also ensure that the following operating requirements are met:
- (A) Minimize solvent carryout emissions by the following:
    - (i) Racking articles to allow complete drainage.
    - (ii) Maintaining the vertical conveyor speed at less than three and three-tenths (3.3) meters per minute (eleven (11) feet per minute).
  - (B) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.
  - (C) Repair solvent leaks immediately or shut down the degreaser if leaks cannot be repaired immediately.
  - (D) Prohibit the exhaust ventilation rate from exceeding twenty (20) cubic meters per minute per square meter (sixty-five (65) cubic feet per minute per square foot) of degreaser opening unless a greater ventilation rate is necessary to meet Occupational Safety and Health Administration requirements.
  - (E) Prohibit the use of workplace fans near the degreaser opening.
  - (F) Prohibit visually detectable water in the solvent exiting the water separator.
  - (G) Cover entrances and exits at all times except when processing workloads through the degreaser.

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#### Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on September 20, 2010.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed Registration Revision No. 001-29695-00064. The staff recommends to the Commissioner that this Registration Revision be approved.

#### IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Jack Harmon at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317)233-4228 or toll free at 1-800-451-6027 extension 3-4228.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: [www.idem.in.gov](http://www.idem.in.gov)

**Appendix A: Emissions Calculations**  
**Natural Gas Combustion (<100 MMBtu/hr)**

**Company Name:** FCC (Adams), LLC  
**Address City IN Zip:** 936 East Parr Rd, Berne, Indiana, 46711  
**Permit Number:** 001-29695-00064  
**Reviewer:** Jack Harmon  
**Date:** 10/1/2010

Total Heat Input  
 MMBtu/hr  
 22.4

		PTE CRITERIA POLLUTANTS							PTE HAPs						
Emission Factor in lb/MMCF		PM*	PM10*	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Benzene	DCB	Formaldehyde	Hexane	Toluene	Pb	Cd	Total
		7.6	7.6	0.6	100	5.5	84.0	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	5.0E-04	1.1E-03	
Unit ID	Heat Input Capacity (MMBtu/hr)	PTE of PM (tons/yr)	PTE of PM10 (tons/yr)	PTE of SO <sub>2</sub> (tons/yr)	PTE of NO <sub>x</sub> (tons/yr)	PTE of VOC (tons/yr)	PTE of CO (tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
<b>Roof Top Units</b>															
RTU-1	0.235	0.01	0.01	0.001	0.10	0.01	0.09	2.16E-06	1.24E-06	7.72E-05	1.85E-03	3.50E-06	5.15E-07	1.13E-06	1.94E-03
RTU-2	0.5	0.02	0.02	0.001	0.22	0.01	0.18	4.60E-06	2.63E-06	1.64E-04	3.94E-03	7.45E-06	1.10E-06	2.41E-06	4.12E-03
RTU-3	0.4	0.01	0.01	0.001	0.18	0.01	0.15	3.68E-06	2.10E-06	1.31E-04	3.15E-03	5.96E-06	8.76E-07	1.93E-06	3.30E-03
RTU-4	0.4	0.01	0.01	0.001	0.18	0.01	0.15	3.68E-06	2.10E-06	1.31E-04	3.15E-03	5.96E-06	8.76E-07	1.93E-06	3.30E-03
RTU-5	0.4	0.01	0.01	0.001	0.18	0.01	0.15	3.68E-06	2.10E-06	1.31E-04	3.15E-03	5.96E-06	8.76E-07	1.93E-06	3.30E-03
RTU-6	0.4	0.01	0.01	0.001	0.18	0.01	0.15	3.68E-06	2.10E-06	1.31E-04	3.15E-03	5.96E-06	8.76E-07	1.93E-06	3.30E-03
RTU-7	0.4	0.01	0.01	0.001	0.18	0.01	0.15	3.68E-06	2.10E-06	1.31E-04	3.15E-03	5.96E-06	8.76E-07	1.93E-06	3.30E-03
RTU-8	0.4	0.01	0.01	0.001	0.18	0.01	0.15	3.68E-06	2.10E-06	1.31E-04	3.15E-03	5.96E-06	8.76E-07	1.93E-06	3.30E-03
RTU-9	0.2	0.01	0.01	0.001	0.09	0.00	0.07	1.84E-06	1.05E-06	6.57E-05	1.58E-03	2.98E-06	4.38E-07	9.64E-07	1.65E-03
RTUDC-1	0.25	0.01	0.01	0.001	0.11	0.01	0.09	2.30E-06	1.31E-06	8.21E-05	1.97E-03	3.72E-06	5.48E-07	1.20E-06	2.06E-03
RTUDC-2	0.4	0.01	0.01	0.001	0.18	0.01	0.15	3.68E-06	2.10E-06	1.31E-04	3.15E-03	5.96E-06	8.76E-07	1.93E-06	3.30E-03
RTUDC-3	0.12	0.00	0.00	0.000	0.05	0.00	0.04	1.10E-06	6.31E-07	3.94E-05	9.46E-04	1.79E-06	2.63E-07	5.78E-07	9.90E-04
<b>Gas Unit Heater</b>															
UH-1	0.12	0.00	0.00	0.000	0.05	0.00	0.04	1.10E-06	6.31E-07	3.94E-05	9.46E-04	1.79E-06	2.63E-07	5.78E-07	9.90E-04
UH-2	0.075	0.00	0.00	0.000	0.03	0.00	0.03	6.90E-07	3.94E-07	2.46E-05	5.91E-04	1.12E-06	1.64E-07	3.61E-07	6.19E-04
UH-3	0.075	0.00	0.00	0.000	0.03	0.00	0.03	6.90E-07	3.94E-07	2.46E-05	5.91E-04	1.12E-06	1.64E-07	3.61E-07	6.19E-04
UH-4	0.075	0.00	0.00	0.000	0.03	0.00	0.03	6.90E-07	3.94E-07	2.46E-05	5.91E-04	1.12E-06	1.64E-07	3.61E-07	6.19E-04
UHDC-1	0.12	0.00	0.00	0.000	0.05	0.00	0.04	1.10E-06	6.31E-07	3.94E-05	9.46E-04	1.79E-06	2.63E-07	5.78E-07	9.90E-04
UHDC-2	0.12	0.00	0.00	0.000	0.05	0.00	0.04	1.10E-06	6.31E-07	3.94E-05	9.46E-04	1.79E-06	2.63E-07	5.78E-07	9.90E-04
<b>Make Up Air Unit</b>															
AMU-1	0.4	0.01	0.01	0.001	0.18	0.01	0.15	3.68E-06	2.10E-06	1.31E-04	3.15E-03	5.96E-06	8.76E-07	1.93E-06	3.30E-03
<b>Process Equipment</b>															
EH-1	1.5	0.05	0.05	0.004	0.66	0.04	0.55	1.38E-05	7.88E-06	4.93E-04	1.18E-02	2.23E-05	3.29E-06	7.23E-06	1.24E-02
<b>Gas Heat Exchanger</b>															
HE-1	0.12	0.00	0.00	0.000	0.05	0.00	0.04	1.10E-06	6.31E-07	3.94E-05	9.46E-04	1.79E-06	2.63E-07	5.78E-07	9.90E-04
<b>Al melting furnace</b>															
MF-1	0.5	0.02	0.02	0.001	0.22	0.01	0.18	4.60E-06	2.63E-06	1.64E-04	3.94E-03	7.45E-06	1.10E-06	2.41E-06	4.12E-03
MF-2	0.5	0.02	0.02	0.001	0.22	0.01	0.18	4.60E-06	2.63E-06	1.64E-04	3.94E-03	7.45E-06	1.10E-06	2.41E-06	4.12E-03
MF-3	0.5	0.02	0.02	0.001	0.22	0.01	0.18	4.60E-06	2.63E-06	1.64E-04	3.94E-03	7.45E-06	1.10E-06	2.41E-06	4.12E-03
MF-4	0.7	0.02	0.02	0.002	0.31	0.02	0.26	6.44E-06	3.88E-06	2.30E-04	5.52E-03	1.04E-05	1.53E-06	3.37E-06	5.77E-03
<b>Total</b>	<b>8.9</b>	<b>0.30</b>	<b>0.30</b>	<b>0.023</b>	<b>3.90</b>	<b>0.21</b>	<b>3.28</b>	<b>8.2E-05</b>	<b>4.7E-05</b>	<b>2.9E-03</b>	<b>0.070</b>	<b>1.3E-04</b>	<b>2.0E-05</b>	<b>4.3E-05</b>	<b>7.3E-02</b>

\*PM and PM10 emission factors are condensable and filterable PM10 combined.  
 Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (AP-42 Supplement D 3/98)

**Methodology**

Potential Throughput (MMCF/yr) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu  
 Potential to Emit (tons/yr) = Potential Throughput (MMCF/yr) x Emission Factor (lbs/MMCF) x 1 ton/2000 lbs  
 All emission factors are based on normal firing.  
 MMBtu = 1,000,000 Btu, MMCF = 1,000,000 Cubic Feet of Gas

**Appendix A: Emissions Calculations  
Aluminum Melting**

**Company Name: FCC (Adams), LLC**  
**Address City IN Zip: 936 East Parr Rd, Berne, Indiana, 46711**  
**Permit Number: 001-29695-00064**  
**Reviewer: Jack Harmon**  
**Date: 10/1/2010**

	Emission Factor lb/ton	PM*	PM10*
	Maximum Aluminum Processed (lbs/hr)	1.1	1.1
Unit ID		PTE of PM (tons/yr)	PTE of PM10 (tons/yr)
MF-1	500	1.20	1.20
MF-2	500	1.20	1.20
MF-3	500	1.20	1.20
MF-4	441	1.06	1.06
<b>Total</b>	<b>1941.0</b>	<b>4.68</b>	<b>4.68</b>

\*Note: Emission factor are from STAPPA/ALAPCA Handbook, Section 11 (5/30/91)

**Methodology**

Potential Emissions (lbs/hr) = Maximum Aluminum Processed (lbs/hr) x 1 ton/2,000 lb x Emission Factor (lb/ton Al processed)  
 Potential Emissions (tons/yr) = Potential Emissions (lbs/hr) \* 8,760 hrs/yr x 1 ton/2,000 lb

**Appendix A: Emissions Calculations  
Die Casting**

**Company Name: FCC (Adams), LLC  
Address City IN Zip: 936 East Parr Rd, Berne, Indiana, 46711  
Permit Number: 001-29695-00064  
Reviewer: Jack Harmon  
Date: 10/1/2010**

Pollutant				NOx*	SOx*	VOC*
Emission Factor in lb/ton Al processed				0.01	0.02	0.14
Unit ID	Maximum Cycles/hr	Casting Weight (lbs)	Maximum Aluminum Processed (tons/hr)	PTE of NOx (tons/yr)	PTE of SOx (tons/yr)	PTE of VOC (tons/yr)
DC-1	85	2.1125	0.090	0.00	0.01	0.06
DC-2	85	2.1125	0.090	0.00	0.01	0.06
DC-3	78	3.175	0.124	0.01	0.01	0.08
DC-4	78	3.175	0.124	0.01	0.01	0.08
<b>Total</b>			<b>0.427</b>	<b>0.02</b>	<b>0.04</b>	<b>0.26</b>

\*NOx, SOx, and VOC emission factors are from Fire Version 6.25 for Aluminum Pouring/Casting (SIC 30400114)

**Methodology**

Maximum Aluminum Processed (tons/hr) = Maximum Cycles / hr \* Casting Weight (lbs/cycle)

Potential Emissions (tons/yr) = Maximum Aluminum Processed (tons/hr) \* Emission Factor (lb/ton Al processed) \* 1 ton / 2,000 lb \* 8,760 hr / yr

**Appendix A: Emissions Calculations  
Shot Blasting**

**Company Name:** FCC (Adams), LLC  
**Address City IN Zip:** 936 East Parr Rd, Berne, Indiana, 46711  
**Permit Number:** 001-29695-00064  
**Reviewer:** Jack Harmon  
**Date:** 10/1/2010

0.192 kg                      Weight of full dust collection container:  
 0.026 kg                      Weight of empty dust collection container:  
 0.166 kg                      Weight of dust collected during test

0.366 lb                      Weight of dust collected during test

1,232 parts                      Number of parts run during test

PM/PM10 Collected During Test	Control Efficiency of Shot Blast Filters	Total PM/PM10 Generated During Test	Number of Parts Run During Test	PM/PM10 Emissions per Part	PM/PM10 Emissions per Part
(lbs)	(%)	(lbs)	(parts)	(lb/part)	(lb/ 1,000 part)
0.366	95%	0.385	1,232	0.0003127	0.313

Emission Factor lbs/1000 parts		PM*	PM10*						
		0.313	0.313						
Unit ID	Maximum Throughput Rate (parts/hr)	PTE of PM (tons/yr)	PTE of PM10 (tons/yr)	PTE of PM/PM10 lbs/hr	Filter Control Efficiency	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Allowable PM/PM10 Emissions (lbs/hr)	
SB-1	2172	2.98	2.98	0.68	99.0%	0.03	0.03	#REF!	
SB-2	2172	2.98	2.98	0.68	99.0%	0.03	0.03	#REF!	
SB-3	2172	2.98	2.98	0.68	99.0%	0.03	0.03	#REF!	
SB-4	2172	2.98	2.98	0.68	99.0%	0.03	0.03	#REF!	
<b>Total</b>	<b>8688.0</b>	<b>11.91</b>	<b>11.91</b>	<b>2.72</b>		<b>0.12</b>	<b>0.12</b>		

Total Abrasives throughput per shot blast =14,072 lbs/hr

\*PM and PM10 emission factors are derived from the data collected by FCC (Adams) .

\*Total PM/PM10 generated during test (lbs) = PM/PM10 collected during test (lbs)/ control Efficiency of shot blast filters(%)

\*Emission Factor (lb/part) =Total PM/PM10 generated during test (lbs)/ Number of parts run during the test

Maximum process throughput = (weight of shot blast + weight of parts) = (14072+ 2172\*1.141) =16,550.25 lbs/hr

Maximum process throughput =(16550.25 lbs/hr) \*1/2000 tons/lbs= 8.28 tons/hr

**Methodology**

Potential Emissions (parts/hr) = Maximum Throughput Rate (parts/hr) x Emission Factor (lb/1,000 lb parts Throughput)

Potential Emissions (tons/yr) = Potential Emissions (lb/hr) \* 8,760 hrs/yr x 1 ton/2,000 lb

Controlled PTE of PM (tons/yr) = PTE of PM (tons/yr) x (1 - Filter Control Efficiency)

**Appendix A: Emissions Calculations  
Lathe Operations and Oil Hole Machines**

**Company Name:** FCC (Adams), LLC  
**Address City IN Zip:** 936 East Parr Rd, Berne, Indiana, 46711  
**Permit Number:** 001-29695-00064  
**Reviewer:** Jack Harmon  
**Date:** 10/1/2010

Seal Cool 3990 Information	
specific gravity	1.10
density (lb/ft <sup>3</sup> )	68.64
density (lb/gal)	9.18
VOC wt %	6.00%

Yumate EC-980 Information	
specific gravity	0.91
density (lb/ft <sup>3</sup> )	56.78
density (lb/gal)	7.59
VOC wt %	42.70%

VOC Emissions from Lathe Operations

Lathe ID	Lathe Name	Lathe Oil	Product Density (lb/gal)	Potential Coating Usage (gal/unit)	Maximum Product Rate (units/hr)	Flash-off (%)	VOC Content (lbs/gal)	Potential VOC Emissions (lbs/hr)	Potential VOC Emissions (tons/yr)
L-5	RWG Lathe 1	Seal Cool 3990	9.18	1.00E-04	78.50	100%	0.55	0.004	0.02
L-6	RWG Lathe 2	Seal Cool 3990	9.18	1.00E-04	78.50	100%	0.55	0.004	0.02
L-1	A-1 Lathe 1	Seal Cool 3990	9.18	5.74E-04	104.66	100%	0.55	0.033	0.14
L-2	A-2 Lathe 2	Seal Cool 3990	9.18	5.74E-04	52.33	100%	0.55	0.017	0.07
L-3	A-2 Lathe 3	Seal Cool 3990	9.18	5.74E-04	52.33	100%	0.55	0.017	0.07
L-7	A-1 Lathe 4	Seal Cool 3990	9.18	5.74E-04	104.66	100%	0.55	0.033	0.14
L-8	A-2 Lathe 5	Seal Cool 3990	9.18	5.74E-04	52.33	100%	0.55	0.017	0.07
L-4	B Lathe 1	Seal Cool 3990	9.18	2.30E-04	104.66	100%	0.55	0.013	0.06
L-9	B Lathe 2	Seal Cool 3990	9.18	2.30E-04	104.66	100%	0.55	0.013	0.06
LDC-1	DC-A-1 Lathe 1	Yumate EC-980	7.59	5.74E-04	52.33	100%	3.24	0.097	0.43
LDC-2	DC-A-1 Lathe 2	Yumate EC-980	7.59	5.74E-04	52.33	100%	3.24	0.097	0.43
LDC-3	DC-A-1 Lathe 3	Yumate EC-980	7.59	5.74E-04	52.33	100%	3.24	0.097	0.43
LDC-4	DC-A-2 Lathe 4	Yumate EC-980	7.59	5.74E-04	78.50	100%	3.24	0.146	0.64
LDC-5	DC-B-1 Lathe 1	Yumate EC-980	7.59	5.74E-04	78.50	100%	3.24	0.146	0.64
LDC-6	DC-B-1 Lathe 2	Yumate EC-980	7.59	5.74E-04	78.50	100%	3.24	0.146	0.64
LDC-7	DC-B-2 Lathe 3	Yumate EC-980	7.59	5.74E-04	78.50	100%	3.24	0.146	0.64
LDC-8	DC-B-2 Lathe 4	Yumate EC-980	7.59	5.74E-04	78.50	100%	3.24	0.146	0.64
LDC-9	DC-B-2 Lathe 5	Yumate EC-980	7.59	5.74E-04	78.50	100%	3.24	0.146	0.64
L-10	OP0 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	60.00	100%	0.55	0.057	0.25
L-11	OP10 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	60.00	100%	0.55	0.057	0.25
L-12	OP20 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	60.00	100%	0.55	0.057	0.25
L-13	OP30 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	60.00	100%	0.55	0.057	0.25
L-14	OP20 Flow Form Lathe 2	Seal Cool 3990	9.18	1.72E-03	60.00	100%	0.55	0.057	0.25
L-15	OP30 Flow Form Lathe 2	Seal Cool 3990	9.18	1.72E-03	60.00	100%	0.55	0.057	0.25
LDC-10	6R140 DC Lathe 1	Yumate EC-980	7.59	1.72E-03	60.00	100%	3.24	0.335	1.47
LDC-11	6R140 DC Lathe 2	Yumate EC-980	7.59	1.72E-03	60.00	100%	3.24	0.335	1.47
LDC-12	Manual West DC Lathe	Yumate EC-980	7.59	5.74E-04	78.50	100%	3.24	0.146	0.64
LDC-13	Manual East DC Lathe	Yumate EC-980	7.59	5.74E-04	78.50	100%	3.24	0.146	0.64
LDC-14	6R140 DC Lathe 3	Yumate EC-980	7.59	1.15E-03	60.00	100%	3.24	0.224	0.98
LDC-15	6R140 DC Lathe 4	Yumate EC-980	7.59	1.15E-03	60.00	100%	3.24	0.224	0.98
LDC-16	6R80 DC Lathe	Yumate EC-980	7.59	5.74E-04	52.33	100%	3.24	0.097	0.43
LDC-17	6R80 DC Lathe	Yumate EC-980	7.59	5.74E-04	78.50	100%	3.24	0.146	0.64
L-16	OP10 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	40.00	100%	0.55	0.038	0.17
L-17	OP20 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	40.00	100%	0.55	0.038	0.17
L-18	OP30 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	40.00	100%	0.55	0.038	0.17
L-19	OP40 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	40.00	100%	0.55	0.038	0.17
L-20	OP40 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	80.00	100%	0.55	0.076	0.33
									<b>15.50</b>

**Methodology**

VOC Content (lbs/gal) = VOC wt. % x Product Density  
 Potential VOC Emissions (lbs/hr) = Potential Coating Usage (gal/unit) x Maximum Product Rate (units/hr) x Flash-off (%) x VOC Content (lbs/gal)  
 Potential Emissions (tons/yr) = Potential Emissions (lb/hr) \* 8,760 hrs/yr x 1 ton/2,000 lb  
 100 % Flash off of VOC emissions

Three (3) Oil Hole Machines

Machine ID	Machine Name	Cutting Oil	Product Density (lb/gal)	Potential Coating Usage (gal/unit)	Maximum Product Rate (units/hr)	Flash-off (%)	VOC Content (lbs/gal)	Potential VOC Emissions (lbs/hr)	Potential VOC Emissions (tons/yr)
OH-1	Oil Hole Machine #1	Seal Cool 3990	9.18	1.72E-03	350.00	100%	0.55	0.331	1.45
OH-2	Oil Hole Machine #2	Seal Cool 3990	9.18	1.72E-03	350.00	100%	0.55	0.331	1.45
OH-3	Oil Hole Machine #3	Seal Cool 3990	9.18	1.72E-03	350.00	100%	0.55	0.331	1.45

Potential VOC emissions(lb/hr) = coating usage x maximum production rate x flash-off x VOC content  
 Total Oil Hole Machines 4.36  
 Potential emissions per year = potential emissions per hour x 8760/2000

**Appendix A: Emissions Calculations**  
**Parts Washer Activities**

**Company Name: FCC (Adams), LLC**  
**Address City IN Zip: 936 East Parr Rd, Berne, Indiana, 46711**  
**Permit Number: 001-29695-00064**  
**Reviewer: Jack Harmon**  
**Date: 10/1/2010**

Emission Unit	Description	Chemical Used	Specific Gravity	Product Density [lb/gal]	VOC Content [lb/gal]	Typical Annual Chemical Usage [gal/yr]	Max. Annual Chemical Usage [gal/yr]	Max. Hourly Chemical Usage [gal/hr]	Max. Hourly Chemical Usage [gal/hr]	Max. Hourly Chemical Usage [gal/hr]	Potential VOC Emissions [lb/hr]	Potential VOC Emissions [tpy]
WDC-1	Die Cast Washer 1	J&B 1097	1.04	8.65	0.26	104	156	0.018	0.43	0.285	0.005	0.020
WDC-2	Die Cast Washer 2	Water							0			
W-1	Press Washer	Kleen-Eze 305	1.06	8.84	0.00	1560	2340	0.267	6.41	4.274	0.000	0.000
W-3	Hub Washer	J&B 1097	1.04	8.65	0.26	520	780	0.089	2.14	1.425	0.023	0.101
W-2	Deburr Washer	J&B 1097	1.04	8.65	0.26	416	624	0.071	1.71	1.140	0.018	0.081
W-4	Assembly Washer	M-1	1.05	8.76	0.88	1300	1950	0.223	5.34	3.562	0.195	0.854
W-5	RWG Washer	J&B 1097	1.04	8.65	0.26	104	156	0.018	0.43	0.285	0.005	0.020
WDC-3	Die Cast Washer 3	Water										
W-6	Flow Forming Washer	J&B 1097	1.04	8.67	0.26	208	312	0.036	0.85	0.570	0.009	0.041
W-7	Assembly Washer	M-1	1.05	8.76	0.88	360	540	0.062	1.48	0.986	0.054	0.238
W-8	Die Cleaning Washer	SK Premium	0.82	6.84	6.84	45	67.5	0.008	0.18	0.123	0.053	0.231
W-9	Stoeling Washer	J&B 1097	1.04	8.65	0.26	208	312	0.036	0.01	0.570	0.009	0.040
<b>Total:</b>												<b>1.610</b>

**Methodology**

Product Density [lb/gal] = Specific Gravity x 8.34 lb/gal

Increased the typical annual chemical usage by 50% to estimate a maximum annual chemical usage.

Max. Hourly Chemical Usage [gal/hr] = Max. Annual Solvent Usage [gal/yr] / 8,760 hr/yr

Potential VOC Emissions [lb/hr] = Max. Hourly Solvent Usage [gal/hr] x VOC Content [lb/gal]

Potential VOC Emissions [tpy] = Potential VOC Emissions [lb/hr] x 8,760 hr/yr / 2,000 lb/ton

**Appendix A: Emissions Calculations  
Source-wide Emission Summary With Revision**

**Company Name:** FCC (Adams), LLC  
**Address City IN Zip:** 936 East Parr Rd, Berne, Indiana, 46711  
**Permit Number:** 001-29695-00064  
**Reviewer:** Jack Harmon  
**Date:** 10/1/2010

<b>Emission Unit</b>	<b>PM (tons/yr)</b>	<b>PM10 (tons/yr)</b>	<b>SO2 (tons/yr)</b>	<b>VOC (tons/yr)</b>	<b>CO (tons/yr)</b>	<b>NOx (tons/yr)</b>	<b>Single HAP (tons/yr)</b>	<b>Total HAP (tons/yr)</b>
<b>Main Building Units</b>								
Shot Blasting (SB-4)	2.98	2.98	0.00	0.00	0.00	0.00	0.00	0.00
Parts Washing (W-1 through W-8)	0.00	0.00	0.00	1.57	0.00	0.00	0.00	0.00
Lathes (L-1 through L-15)	0.00	0.00	0.00	2.15	0.00	0.00	0.00	0.00
Combustion (RTU-1 through RTU-9, UH-1 through UH-4, AMU-1, HE-1, EH-1)	0.19	0.19	0.01	0.14	2.11	2.50	0.04	0.05
<b>Die Cast Building Units</b>								
Melting Furnaces (Process) (MF-1 through MF-4)	4.68	4.68	0.00	0.00	0.00	0.00	0.00	0.00
Die Casting (DC-1 through DC-4)	0.00	0.00	0.04	0.26	0.00	0.02	0.00	0.00
Shot Blasting (SB-1 through SB-3)	8.93	8.93	0.00	0.00	0.00	0.00	0.00	0.00
Parts Washing (WDC-1 through WDC-3)	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
Lathes (LDC-1 through LDC-17)	0.00	0.00	0.00	12.35	0.00	0.00	0.00	0.00
Combustion (RTUDE-1 through RTUDE-3, UHDC-1, UHDC-2, MF-1 through MF-4)	0.11	0.11	0.01	0.08	1.18	1.41	0.03	0.03
<b>Total</b>	<b>16.88</b>	<b>16.88</b>	<b>0.06</b>	<b>16.57</b>	<b>3.29</b>	<b>3.92</b>	<b>0.07</b>	<b>0.07</b>

**Appendix A: Emissions Calculations**

**Summary of Revision**

**Company Name:** FCC (Adams), LLC  
**Address City IN Zip:** 936 East Parr Rd, Berne, Indiana, 46711  
**Permit Number:** 001-29695-00064  
**Reviewer:** Jack Harmon  
**Date:** 10/1/2010

Addition of Stoeling Parts Washer

Emission Unit	Description	Chemical Used	Specific Gravity	Product Density [lb/gal]	VOC Content [lb/gal]	Typical Annual Chemical Usage [gal/yr]	Max. Annual Chemical Usage [gal/yr]	Max. Hourly Chemical Usage [gal/hr]	Potential VOC Emissions [lb/hr]	Potential VOC Emissions [tpy]
W-9	Stoeling Hub Line Washer	J&B 1097	1.04	8.65	0.26	208	312	0.036	0.009	0.040
Same methodology as Washers W-1 through W-8								<b>Total New Washer</b>		<b>0.040</b>

Addition of Five (5) Lathes

Lathe ID	Lathe Name	Lathe Oil	Product Density (lb/gal)	Potential Coating Usage (gal/unit)	Maximum Product Rate (units/hr)	Flash-off (%)	VOC Content (lbs/gal)	Potential VOC Emissions (lbs/hr)	Potential VOC Emissions (tons/yr)
L-16	OP10 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	40.00	100%	0.55	0.038	0.17
L-17	OP20 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	40.00	100%	0.55	0.038	0.17
L-18	OP30 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	40.00	100%	0.55	0.038	0.17
L-19	OP40 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	40.00	100%	0.55	0.038	0.17
L-20	OP50 Flow Form Lathe	Seal Cool 3990	9.18	1.72E-03	80.00	100%	0.55	0.076	0.34
Same methodology as Lathes L-1 through L-15							<b>Total New Lathes</b>		<b>1.00</b>

VOC Content (lbs/gal) = VOC wt. % x Product Density

Potential VOC Emissions (lbs/hr) = Potential Coating Usage (gal/unit) x Maximum Product Rate (units/hr) x Flash-off (%) x VOC Content (lbs/gal)

Potential Emissions (tons/yr) = Potential Emissions (lb/hr) \* 8,760 hrs/yr x 1 ton/2,000 lb

100 % Flash off of VOC emissions

Addition of Three (3) Oil Hole Machines

Machine ID	Machine Name	Cutting Oil	Product Density (lb/gal)	Potential Coating Usage (gal/unit)	Maximum Product Rate (units/hr)	Flash-off (%)	VOC Content (lbs/gal)	Potential VOC Emissions (lbs/hr)	Potential VOC Emissions (tons/yr)
OH01	Oil Hole Machine #1	Seal Cool 3990	9.18	1.72E-03	350.00	100%	0.55	0.331	1.45
OH-2	Oil Hole Machine #2	Seal Cool 3990	9.18	1.72E-03	350.00	100%	0.55	0.331	1.45
OH-3	Oil Hole Machine #3	Seal Cool 3990	9.18	1.72E-03	350.00	100%	0.55	0.331	1.45

VOC Content (lbs/gal) = VOC wt. % x Product Density

Potential VOC emissions(lb/hr) = coating usage x maximum production rate x flash-off x VOC content

Potential emissions per year = potential emissions per hour x 8760/2000

							<b>Total New Machines</b>		<b>4.36</b>
--	--	--	--	--	--	--	---------------------------	--	-------------

Revision Totals	(Tons per year)	PM	PM10	PM2.5	SO2	Nox	VOC	CO	HAP Single	HAP Total
Washer		0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Lathes		0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Oil Hole Machines		0.00	0.00	0.00	0.00	0.00	4.36	0.00	0.00	0.00
Total This Revision		0.00	0.00	0.00	0.00	0.00	5.40	0.00	0.00	0.00



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
**Governor**

*Thomas W. Easterly*  
**Commissioner**

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

## **SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED**

**TO:** Elizabeth Daniels  
FCC (Adams), LLC  
936 E Parr Road  
Berne, IN 46711

**DATE:** November 5, 2010

**FROM:** Matt Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

**SUBJECT:** Final Decision  
Second Registration Revision  
001-29695-00064

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:  
Katsuaki Mori - President  
Joseph VanCamp – Cornerstone Environmental, Health & Safety, Inc.  
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 11/30/07

# Mail Code 61-53

IDEM Staff	GHOTOPP 11/5/2010 FCC (Adams), LLC 001-29695-00064 Final		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Elizabeth Daniels FCC (Adams), LLC 936 E Parr Rd Berne IN 46711 (Source CAATS) via confirmed delivery										
2		Katsuaki Mori President FCC (Adams), LLC 936 E Parr Rd. Berne IN 46711 (RO CAATS)										
3		Adams County Commissioners 313 West Jefferson Street Decatur IN 46733 (Local Official)										
4		Adams County Health Department County Svcs Complex, 313 W. Jefferson # 314 Decatur IN 46733-1673 (Health Department)										
5		Mr. Joseph VanCamp Cornerstone Environmental, Health & Safety, Inc. 8907 Gerig Road Leo IN 45765-9679 (Consultant)										
6		Berne City Council and Mayors Office 158 W. Franklin St. Berne IN 46711 (Local Official)										
7												
8												
9												
10												
11												
12												
13												
14												
15												

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
<b>5</b>			