



*Mitchell E. Daniels, Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: January 26, 2007  
RE: AreoForge Corporation / 035-24056-00059  
FROM: Nisha Sizemore  
Chief, Permits Branch  
Office of Air Quality

### Notice of Decision – Approval

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

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

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

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

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

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

Enclosures  
FNPER-AM.dot 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Indianapolis, Indiana 46204-2251  
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January 26, 2007

Mr. Larry David  
AeroForge Corporation  
3901 South Delaware Drive  
Muncie, Indiana 47302

Re: 035-24056-00059  
First Notice Only Change to  
Minor Source Operating Permit,  
MSOP 035-18183-00059

Dear Mr. David:

On December 12, 2006 an application was received from AeroForge Corporation located at 3901 South Delaware Drive, Muncie, Indiana 47302, requesting a change in the operating name and in the Authorized Individual. Also requested were corrections to some minor errors in the original permit issued February 18, 2004. The **bold faced language** is new language that has been added and the ~~strikeout~~ is language that has been removed. Pursuant to the provisions of 326 IAC 2-5.5-6(d)(1),(2),(3) and (5) the permit is hereby administratively changed as follows:

1. The position of Plant Manager replaces the position of General Manager as the source is authorized individual. The Plant Manager meets the requirements as an authorized individual as required by 326 IAC 2-1.1-1(1).

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

The Permittee owns and operates a stationary aircraft engine parts manufacturing source.

Authorized Individual:	<del>General Manager</del> <b>Plant Manager</b>
Source Address:	3901 South Delaware Drive, Muncie, Indiana 47302
Mailing Address:	3901 South Delaware Drive, Muncie, Indiana 47302
General Source Phone:	(756) 747-7147
SIC Code:	3724
County Location:	Delaware
Source Location Status:	<b>Nonattainment for 8 hour ozone</b>
	Attainment for all other criteria pollutants
Source Status:	Minor Source Operating Permit
	Minor Source, under PSD <b>and Emission Offset Rules</b>
	Minor Source, Section 112 of the Clean Air Act

2. The operating name for the manufacturing source located at 3901 South Delaware Drive, Muncie, Indiana changed in 2005 from ~~Sermatech AeroForge Corporation~~ to **AeroForge Corporation**. All the reporting forms and page headings were changed to reflect the new operating name.

3. The IDEM mailing address was changed and now reads as follows:

Indiana Department of Environmental Management  
~~Compliance Data Section, Office of Air Quality~~  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

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

4, There were several changes made to descriptive information contained in A Section A.2 and D.1 of the permit due to the replacement of an air pollution control allowed under 326 AIC 2-6.1-6(b), and removal of some emissions units.

A.2 Emissions Units and Pollution Control Equipment Summary

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

- (a) One (1) maintenance grind station, identified as PS-2, constructed in 1999, with a maximum capacity of 1 die and 500 pounds of metal dies per hour, all controlled by a fabric filter, identified as PSC-2, and exhausting to stack ~~S-4~~ **S-2**, consisting of:
- (1) three (3) hand grind stations;
  - (2) one (1) band saw;
  - (3) two (2) welding stations;
  - (4) three (3) wet saws; **and**
  - ~~(5) three belt sanders; and~~ **(The three belt sanders that were identified in A.2(a)(5) were incorrectly identified as being associated with the maintenance grind station. The belts sanders are productions sanders and should have been included in the wet abrasive and belt sanding operation described in A.2(i). These are now identified in A.2(i)(5).)**
  - ~~(6) (5) one (1) machine grinder.~~
- (b) One (1) Wheelabrator steel shot blast machine, identified as PS-6, constructed in 1999, controlled by a ~~fabric filter, identified as PSC-6~~, **dust collector, identified as WCC-6** and exhausting to stack S-6, capacity: 200 parts per hour, 400 pounds of metal parts per hour, and 1,000 pounds of steel shot per hour.
- (c) One (1) Irvin steel shot blast machine, identified as PS-6a, constructed in 1999, controlled by a ~~fabric filter, identified as PSC-6a~~, **dust collector, identified as WCC-6** and exhausting to stack S-6, capacity: 500 parts per hour, 300 pounds of metal parts per hour, and 1,000 pounds of steel shot per hour.
- (d) One (1) acid bath milling operation using hydrofluoric and sulfuric acids, identified as PS-7, constructed in 1999, controlled by a scrubber, identified as PSC-7, and exhausting to stack S-7, capacity: 0.4 tons of acid and 236 pounds of parts per hour.
- (e) One (1) Pangborn roto blast machine, identified as PS-9a, constructed in 1999, controlled by a fabric filter, identified as PSC-2, and exhausting to stack S-2, capacity: 15 dies per hour, 2,200 pounds of metal dies per hour, and 1,000 pounds of blast material per hour.
- (f) ~~Two (2)~~ **One (1)** graphite die pattern cutting operation, identified as PS-9b, constructed in 1999, controlled by a fabric filter, identified as PSC-2, and exhausting to stack S-2, capacity: ~~0.75~~ **0.375** graphite electrodes per hour and ~~22~~ **11** pounds of graphite per hour.



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- (g) ~~Six (6)~~ **Two (2)** electrical discharge die cutting machines under an oil bath, identified as PS-10a through f and b, constructed in 1999, exhausting to stacks S-10a through f and b, respectively, **and have a combined** capacity: ~~0.75~~ **0.25** die parts per hour, ~~375~~ **125** pounds of die parts per hour, and ~~0.33~~ **0.11** gallons of oil per hour total.
- (h) One (1) lime bag dumping station, identified as PS-11, constructed in 1999, controlled by a fabric filter, identified as PSC-11, and exhausting inside the building, capacity: 1,500 pounds of lime per hour.
- (i) Wet abrasive and belt sanding operation, identified as PS-1, with a maximum capacity of 845 parts per hour, consisting of:
- (1) three (3) wet abrasive saws and ~~three (3)~~ **two (2)** belt sanders, **and one (1) wheel grinder**, constructed in 1999, controlled by a fabric filter identified as PSC-1, and exhausting to stack S-1, with a maximum process weight rate of 12 pounds of metal parts per hour; total,
  - (2) two (2) machine-operated wet abrasive saws, identified as MS-1 and MS-2, constructed in 1999, exhausting to stack PT #S3, with a maximum process weight rate of 263 pounds of metal parts per hour, total,
  - (3) ~~eleven (11)~~ **six (6)** belt sanders, constructed in 1999, exhausting into the building, with a combined maximum process weight rate of ~~226~~ **151** pounds of metal parts per hour; total, and
  - (4) one (1) inspection booth including a small sand blasting unit controlled by an internal fabric filter, constructed in 1999, with a maximum process weight rate of 28 pounds of metal parts per hour and,
  - (5) **three (3) belt sanders constructed in 1999, controlled by a fabric filter identified as PSC-2, and exhausting through to Stack 2, with a maximum process rate of 75 pounds of metal parts per hour, total.**
- (j) Six (6) Glass Frit ESP spray gun units, identified as PS-4a through f, constructed in 1999, each controlled with an internal cellulose cartridge filter, capacity: 845 parts per hour, total.
- (k) One (1) Goff shot blast machine, identified as PS-6b, constructed in 2001, controlled by an internal fabric filter, identified as PSC-6b, capacity: 100 pounds of parts and 2,600 pounds of shot per hour.
- (l) Three (3) natural gas-fired process furnaces, identified as furnaces A1, B1 and G1, constructed in 1999, heat input capacity: 5.7 million British thermal units per hour, each.
- (m) Two (2) natural gas-fired process furnaces, identified as furnaces E1 and BOX, constructed in 1999, heat input capacities: 4.2 and 0.65 million British thermal units per hour, respectively.
- (n) One (1) natural gas-fired space heater, constructed in 1998 exhausting to stack S-13, capacity: 1.25 million British thermal units per hour.

- (o) One (1) molten salt bath cleaning operation with a 1.5 million British thermal unit per hour heater, identified as PS-12, constructed in 1998, exhausting to stack S-12.

- (p) One (1) forge operation, consisting of twenty-two (22) machines, identified as PS-8a through v, constructed in 1999, each controlled by a fabric filter, identified as PSC-8a through v, exhausting into the building, capacity: 845 parts and 236 pounds per hour.

#### Section D.1

##### Facility Description: Aircraft Engine Parts Manufacturing

- (a) One (1) maintenance grind station, identified as PS-2, constructed in 1999, with a maximum capacity of 1 die and 500 pounds of metal dies per hour, all controlled by a fabric filter, identified as PSC-2, and exhausting to stack ~~S-4~~, **S-1** consisting of:
- (1) three (3) hand grind stations;
  - (2) one (1) band saw;
  - (3) two (2) welding stations;
  - (4) three (3) wet saws; **and**
  - ~~(6)~~ **(5)** one (1) machine grinder.
- (b) One (1) Wheelabrator steel shot blast machine, identified as PS-6, constructed in 1999, controlled by a ~~fabric filter, identified as PSC-6~~, **dust collector, identified as WCC-6** and exhausting to stack S-6, capacity: 200 parts per hour, 400 pounds of metal parts per hour, and 1,000 pounds of steel shot per hour.
- (c) One (1) Irvin steel shot blast machine, identified as PS-6a, constructed in 1999, controlled by a ~~fabric filter, identified as PSC-6a~~ **dust collector identified as WCC-6** and exhausting to stack S-6a, capacity: 500 parts per hour, 300 pounds of metal parts per hour, and 1,000 pounds of steel shot per hour.
- (d) One (1) acid bath milling operation using hydrofluoric and sulfuric acids, identified as PS-7, constructed in 1999, controlled by a scrubber, identified as PSC-7, and exhausting to stack S-7, capacity: 0.4 tons of acid and 236 pounds of parts per hour.
- (e) One (1) Pangborn roto blast machine, identified as PS-9a, constructed in 1999, controlled by a fabric filter, identified as PSC-2, and exhausting to stack S-2, capacity: 15 dies per hour, 2,200 pounds of metal dies per hour, and 1,000 pounds of blast material per hour.
- (f) ~~Two (2)~~ **One (1)** graphite die pattern cutting operations, identified as PS-9b, constructed in 1999, controlled by a fabric filter, identified as PSC-2, and exhausting to stack S-2, capacity: ~~0.75~~ **0.375** graphite electrodes per hour and ~~22~~ **11** pounds of graphite per hour, total.
- (g) ~~Six (6)~~ **Two (2)** electrical discharge die cutting machines under an oil bath, identified as PS-10a through ~~f~~, **and b** constructed in 1999, exhausting to stacks S-10a through ~~f~~ **and b** respectively, **and have a combined** capacity: ~~0.75~~ **0.25** die parts per hour, ~~375~~ **125** pounds of die parts per hour, and ~~0.33~~ **0.11** gallons of oil per hour, total.
- (h) One (1) lime bag dumping station, identified as PS-11, constructed in 1999, controlled by a fabric filter, identified as PSC-11, and exhausting inside the building, capacity: 1,500 pounds of lime per hour.
- (i) Wet abrasive and belt sanding operation, identified as PS-1, with a maximum capacity of 845 parts per hour, consisting of:
- (1) three (3) wet abrasive saws and ~~three (3)~~ **two (2)** belt sanders, **and one (1) wheel grinder**, constructed in 1999, controlled by a fabric filter identified as PSC-1, and exhausting to stack S-1, with a maximum process weight rate of 12 pounds of metal parts per hour, total,

- (2) two (2) machine-operated wet abrasive saws, identified as MS-1 and MS-2, constructed in 1999, exhausting to stack PT #S3, with a maximum process weight rate of 263 pounds of metal parts per hour, total,
  - (3) ~~eleven (11)~~ **six (6)** belt sanders, constructed in 1999, exhausting into the building, with a maximum process weight rate of ~~226~~ **151** pounds of metal parts per hour; total, ~~and~~
  - (4) one (1) inspection booth including a small sand blasting unit controlled by an internal fabric filter, constructed in 1999, with a maximum process weight rate of 28 pounds of metal parts per hour, ~~and~~
  - (5) three (3) belt sanders constructed in 1999, controlled by a fabric filter identified as PSC-2, and exhausting through to Stack 2, with a minimum process rate of 75 pounds of metal parts per hour, total.**
- (j) Six (6) Glass Frit ESP spray gun units, identified as PS-4a through f, constructed in 1999, each controlled with an internal cellulose cartridge filter, capacity: 845 parts per hour, total.
  - (k) One (1) Goff shot blast machine, identified as PS-6b, constructed in 2001, controlled by an internal fabric filter, identified as PSC-6b, capacity: 100 pounds of parts and 2,600 pounds of shot per hour.
  - (l) Three (3) natural gas-fired process furnaces, identified as furnaces A1, B1 and G1, constructed in 1999, heat input capacity: 5.7 million British thermal units per hour, each.
  - (m) Two (2) natural gas-fired process furnaces, identified as furnaces E1 and BOX, constructed in 1999, heat input capacities: 4.2 and 0.65 million British thermal units per hour, respectively.
  - (n) One (1) natural gas-fired space heater, constructed in 1998 exhausting to stack S-13, capacity: 1.25 million British thermal units per hour.
  - (o) One (1) molten salt bath cleaning operation with a 1.5 million British thermal unit per hour heater, identified as PS-12, constructed in 1998, exhausting to stack S-12.
  - (p) One (1) forge operation, consisting of twenty-two (22) machines, identified as PS-8 a through v, constructed in 1999, each controlled by a fabric filter, identified as PSC-8 a through v, exhausting into the building, capacity: 845 parts and 236 pounds per hour.
- (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

5. **The fabric filters were identified with the appropriate stacks and when they were constructed. Also the dust collector was added to the appropriate stacks.**

#### D.1.4 Particulate Control

Pursuant to CP 035-9563-00011, issued on July 6, 1998, the fabric filters **constructed in 1999 for (PSC-1, PSC-2, ~~PSC-6~~ PSC-6a PSC-6b, PSC-11, and inspection booth filter), fabric filter constructed in 2001 (PSC-6b), a dust collector constructed in 2006 (PSC-6, PSC-6a ),** for particulate control and the scrubber (PSC-7) for SO<sub>2</sub> and HF control shall be in operation and control emissions from the facilities exhausting to those devices at all times when the facilities exhausting to that control device are in operation.

6. A citation error in Section C.5(d) was corrected from ~~326 IAC 2-7-1(34)~~ as the definition of "authorized individual" was changed to **326 IAC 2-1.1-1(1)**.

All other conditions of the permit shall remain unchanged and in effect. For your convenience, a complete revised permit is being provided.

AeroForge Corporation  
Muncie, Indiana  
Permit Reviewer: Gary Freeman

Page 6 of 6  
035-24056-00059  
First Notice-only Change

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Gary Freeman, at (800) 451-6027, and ask for 3-5334, or dial (317) 233-5334.

Sincerely,

Original signed by

Iryn Calilung, Section Chief  
Permits Branch  
Office of Air Quality

Attachments: Revised Permit

IC/gkf

cc: File - Delaware County  
Delaware County Health Department  
Air Compliance Section Inspector: - Marc Goldman  
Permit Review Section 4 - Gary Freeman  
Billing, Licensing and Training Section



Mitchell E. Daniels, Jr.  
 Governor

Thomas W. Easterly  
 Commissioner

100 North Senate Avenue  
 Indianapolis, Indiana 46204-2251  
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**MINOR SOURCE OPERATING PERMIT  
 OFFICE OF AIR QUALITY**

**AeroForge Corporation  
 3901 South Delaware Drive  
 Muncie, Indiana 47302**

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

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

Operation Permit No.: MSOP 035-18183-00059	
Issued by: Original Signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: February 18, 2004  Expiration Date: February 18, 2009

First Notice-only Change No.: 035-24056-00059	Pages Affected: All
Issued by: Original signed by Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: January 26, 2007  Expiration Date: February 18, 2009



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## SECTION A

## SOURCE SUMMARY

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

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

---

The Permittee owns and operates a stationary aircraft engine parts manufacturing source.

Authorized Individual: Plant Manager  
Source Address: 3901 South Delaware Drive, Muncie, Indiana 47302  
Mailing Address: 3901 South Delaware Drive, Muncie, Indiana 47302  
General Source Phone: (756) 747-7147  
SIC Code: 3724  
County Location: Delaware  
Source Location Status: Nonattainment for 8 hour ozone  
Attainment for all other criteria pollutants  
Source Status: Minor Source Operating Permit  
Minor Source, under PSD and Emission Offset Rules;  
Minor Source, Section 112 of the Clean Air Act

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

---

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

- (a) One (1) maintenance grind station, identified as PS-2, constructed in 1999, with a maximum capacity of 1 die and 500 pounds of metal dies per hour, all controlled by a fabric filter, identified as PSC-2, and exhausting to stack S-2, consisting of:
- (1) three (3) hand grind stations;
  - (2) one (1) band saw;
  - (3) two (2) welding stations;
  - (4) three (3) wet saws; and
  - (5) one (1) machine grinder.
- (b) One (1) Wheelabrator steel shot blast machine, identified as PS-6, constructed in 1999, controlled by a dust collector, identified as WCC-6 and exhausting to stack S-6, capacity: 200 parts per hour, 400 pounds of metal parts per hour, and 1,000 pounds of steel shot per hour.
- (c) One (1) Irvin steel shot blast machine, identified as PS-6a, constructed in 1999, controlled by a dust collector, identified as WCC-6 and exhausting to stack S-6, capacity: 500 parts per hour, 300 pounds of metal parts per hour, and 1,000 pounds of steel shot per hour.

- (d) One (1) acid bath milling operation using hydrofluoric and sulfuric acids, identified as PS-7, constructed in 1999, controlled by a scrubber, identified as PSC-7, and exhausting to stack S-7, capacity: 0.4 tons of acid and 236 pounds of parts per hour.
- (e) One (1) Pangborn roto blast machine, identified as PS-9a, constructed in 1999, controlled by a fabric filter, identified as PSC-2, and exhausting to stack S-2, capacity: 15 dies per hour, 2,200 pounds of metal dies per hour, and 1,000 pounds of blast material per hour.
- (f) One (1) graphite die pattern cutting operation, identified as PS-9b, constructed in 1999, controlled by a fabric filter, identified as PSC-2, and exhausting to stack S-2, capacity: 0.375 graphite electrodes per hour and 11 pounds of graphite per hour.
- (g) Two (2) electrical discharge die cutting machines under an oil bath, identified as PS-10 a and b, constructed in 1999, exhausting to stacks S-10a and b, respectively, and have a combined capacity: 0.25 die parts per hour, 125 pounds of die parts per hour, and 0.11 gallons of oil per hour.
- (h) One (1) lime bag dumping station, identified as PS-11, constructed in 1999, controlled by a fabric filter, identified as PSC-11, and exhausting inside the building, capacity: 1,500 pounds of lime per hour.
- (i) Wet abrasive and belt sanding operation, identified as PS-1, with a maximum capacity of 845 parts per hour, consisting of:
  - (1) three (3) wet abrasive saws and two (2) belt sanders, and one (1) wheel grinder, constructed in 1999, controlled by a fabric filter identified as PSC-1, and exhausting to stack S-1, with a maximum process weight rate of 12 pounds of metal parts per hour; total,
  - (2) two (2) machine-operated wet abrasive saws, identified as MS-1 and MS-2, constructed in 1999, exhausting to stack PT #S3, with a maximum process weight rate of 263 pounds of metal parts per hour, total,
  - (3) six (6) belt sanders, constructed in 1999, exhausting into the building, with a combined maximum process weight rate of 151 pounds of metal parts per hour; total,
  - (4) one (1) inspection booth including a small sand blasting unit controlled by an internal fabric filter, constructed in 1999, with a maximum process weight rate of 28 pounds of metal parts per hour and,
  - (5) three (3) belt sanders constructed in 1999, controlled by a fabric filter identified as PSC-2, and exhausting through to Stack 2, with a maximum process rate of 75 pound of metal parts per hour, total.
- (j) Six (6) Glass Frit ESP spray gun units, identified as PS-4a through f, constructed in 1999, each controlled with an internal cellulose cartridge filter, capacity: 845 parts per hour, total.
- (k) One (1) Goff shot blast machine, identified as PS-6b, constructed in 2001, controlled by an internal fabric filter, identified as PSC-6b, capacity: 100 pounds of parts and 2,600 pounds of shot per hour.
- (l) Three (3) natural gas-fired process furnaces, identified as furnaces A1, B1 and G1,

constructed in 1999, heat input capacity: 5.7 million British thermal units per hour, each.

- (m) Two (2) natural gas-fired process furnaces, identified as furnaces E1 and BOX, constructed in 1999, heat input capacities: 4.2 and 0.65 million British thermal units per hour, respectively.
- (n) One (1) natural gas-fired space heater, constructed in 1998 exhausting to stack S-13, capacity: 1.25 million British thermal units per hour.
- (o) One (1) molten salt bath cleaning operation with a 1.5 million British thermal unit per hour heater, identified as PS-12, constructed in 1998, exhausting to stack S-12.
- (p) One (1) forge operation, consisting of twenty-two (22) machines, identified as PS-8a through v, constructed in 1999, each controlled by a fabric filter, identified as PSC-8a through v, exhausting into the building, capacity: 845 parts and 236 pounds per hour.

## **SECTION B GENERAL CONDITIONS**

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

### **B.1 Permit No Defense [IC 13]**

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

### **B.2 Definitions**

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

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

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

### **B.4 Permit Term and Renewal [326 IAC 2-6.1-7(a)] [326 IAC 2-1.1-9.5]**

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

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

### **B.5 Modification to Permit [326 IAC 2]**

All requirements and conditions of this operating permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

### **B.6 Annual Notification [326 IAC 2-6.1-5(a)(5)]**

- (a) Annual notification shall be submitted to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) Noncompliance with any condition must be specifically identified. If there are any permit conditions or requirements for which the source is not in compliance at any time during the year, the Permittee must provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be, achieved. The notification must be signed by an authorized individual.
- (c) The annual notice shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in the format attached no later than March 1 of each year to:

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

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

**B.7 Preventive Maintenance Plan [326 IAC 1-6-3]**

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each emissions unit:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

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

- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMP's shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMP whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.8 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]**

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- (a) Permit revisions are governed by the requirements of 326 IAC 2-6.1-6.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue

AeroForge Corporation  
Muncie, Indiana  
Permit Reviewer: CAP/MES

First Notice-only Change 035-24056-00059  
Changed by: Gary Freeman

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

- (c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

**B.9 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [IC 13-14-2-2] [IC 13-20-3-1] [IC 13-17-3-2]**

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

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under this title or the conditions of this permit or any operating permit revisions;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

**B.10 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]**

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

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch, within thirty (30) days of the change.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by an notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).
- (c) IDEM, OAQ, shall issue a revised permit.

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

**B.11 Annual Fee Payment [326 IAC 2-1.1-7]**

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

- (b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-6514 (ask for OAQ, Billing, Licensing and Training Section), to determine the appropriate permit fee.

## SECTION C

## SOURCE OPERATION CONDITIONS

<b>Entire Source</b>
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**C.1 Particulate Emission Limitation for Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [326 IAC 6-3-2]**

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

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

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

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

**C.3 Opacity [326 IAC 5-1]**

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

**C.5 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]**

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

- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
  - (2) If there is a change in the following:
    - (A) Asbestos removal or demolition start date;
    - (B) Removal or demolition contractor; or
    - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46206-6015

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

## Testing Requirements

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

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- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, not later than forty-five (45) days after the completion of the testing. An extension may be granted by the IDEM, OAQ, if the source submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

## Compliance Requirements [326 IAC 2-1.1-11]

### C.7 Compliance Requirements [326 IAC 2-1.1-11]

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

## Compliance Monitoring Requirements

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

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Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

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

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

### C.10 Compliance Response Plan - Preparation and Implementation

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

- (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected timeframe for taking reasonable response steps.
  - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan the Permittee shall amend its Compliance Response Plan to include such response steps taken.
- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
- (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
  - (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
  - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be 10 days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.
  - (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
- (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
  - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.
  - (3) An automatic measurement was taken when the process was not operating.
  - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.11 Actions Related to Noncompliance Demonstrated by a Stack Test

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results.

The Permittee shall take appropriate action to minimize excess emissions from the affected emissions unit while the response actions are being implemented.

- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

### **Record Keeping and Reporting Requirements**

#### **C.12 Malfunctions Report [326 IAC 1-6-2]**

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

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

#### **C.13 General Record Keeping Requirements [326 IAC 2-6.1-5]**

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented when operation begins.

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

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- (a) Reports required by conditions in Section D of this permit shall be submitted to:

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

- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) Unless otherwise specified in this permit, any semi-annual report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The reports do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.

**SECTION D.1**

**FACILITY OPERATION CONDITIONS**

**Facility Description: Aircraft Engine Parts Manufacturing**

- (a) One (1) maintenance grind station, identified as PS-2, constructed in 1999, with a maximum capacity of 1 die and 500 pounds of metal dies per hour, all controlled by a fabric filter, identified as PSC-2, and exhausting to stack S-1, consisting of:
  - (1) three (3) hand grind stations;
  - (2) one (1) band saw;
  - (3) two (2) welding stations;
  - (4) three (3) wet saws; and
  - (5) one (1) machine grinder.
- (b) One (1) Wheelabrator steel shot blast machine, identified as PS-6, constructed in 1999, controlled by a dust collector, identified as WCC-6, and exhausting to stack S-6, capacity: 200 parts per hour, 400 pounds of metal parts per hour, and 1,000 pounds of steel shot per hour.
- (c) One (1) Irvin steel shot blast machine, identified as PS-6a, constructed in 1999, controlled by a dust collector, identified as WCC-6 and exhausting to stack S-6a, capacity: 500 parts per hour, 300 pounds of metal parts per hour, and 1,000 pounds of steel shot per hour.
- (d) One (1) acid bath milling operation using hydrofluoric and sulfuric acids, identified as PS-7, constructed in 1999, controlled by a scrubber, identified as PSC-7, and exhausting to stack S-7, capacity: 0.4 tons of acid and 236 pounds of parts per hour.
- (e) One (1) Pangborn roto blast machine, identified as PS-9a, constructed in 1999, controlled by a fabric filter, identified as PSC-2, and exhausting to stack S-2, capacity: 15 dies per hour, 2,200 pounds of metal dies per hour, and 1,000 pounds of blast material per hour.
- (f) One (1) graphite die pattern cutting operation, identified as PS-9b, constructed in 1999, controlled by a fabric filter, identified as PSC-2, and exhausting to stack S-2, capacity: 0.375 graphite electrodes per hour and 11 pounds of graphite per hour, total.
- (g) Two (2) electrical discharge die cutting machines under an oil bath, identified as PS-10 a and b, constructed in 1999, exhausting to stacks S-10 a and b, respectively, capacity: 0.25 die parts per hour, 125 pounds of die parts per hour, and 0.11 gallons of oil per hour, total.
- (h) One (1) lime bag dumping station, identified as PS-11, constructed in 1999, controlled by a fabric filter, identified as PSC-11, and exhausting inside the building, capacity: 1,500 pounds of lime per hour.
- (i) Wet abrasive and belt sanding operation, identified as PS-1, with a maximum capacity of 845 parts per hour, consisting of:
  - (1) three (3) wet abrasive saws and two (2) belt sanders, and one (1) wheel grinder constructed in 1999, controlled by a fabric filter identified as PSC-1, and exhausting to stack S-1, with a maximum process weight rate of 12 pounds of metal parts per hour; total,
  - (2) two (2) machine-operated wet abrasive saws, identified as MS-1 and MS-2, constructed in 1999, exhausting to stack PT #S3, with a maximum process weight rate of 263 pounds of metal parts per hour, total,
  - (3) six (6) belt sanders, constructed in 1999, exhausting into the building, with a combined

	maximum process weight rate of 151 pounds of metal parts per hour; total
(4)	one (1) inspection booth including a small sand blasting unit controlled by an internal fabric filter, constructed in 1999, with a maximum process weight rate of 28 pounds of metal parts per hour, and
(5)	three(3) belt sanders constructed in 1999, controlled by a fabric filter identified as PSC-2, and exhausting through Stack 2, with a maximum process rate of 75 pounds of metal parts per hour, total.
(j)	Six (6) Glass Frit ESP spray gun units, identified as PS-4a through f, constructed in 1999, each controlled with an internal cellulose cartridge filter, capacity: 845 parts per hour, total.
(k)	One (1) Goff shot blast machine, identified as PS-6b, constructed in 2001, controlled by an internal fabric filter, identified as PSC-6b, capacity: 100 pounds of parts and 2,600 pounds of shot per hour.
(l)	Three (3) natural gas-fired process furnaces, identified as furnaces A1, B1 and G1, constructed in 1999, heat input capacity: 5.7 million British thermal units per hour, each.
(m)	Two (2) natural gas-fired process furnaces, identified as furnaces E1 and BOX, constructed in 1999, heat input capacities: 4.2 and 0.65 million British thermal units per hour, respectively.
(n)	One (1) natural gas-fired space heater, constructed in 1998 exhausting to stack S-13, capacity: 1.25 million British thermal units per hour.
(o)	One (1) molten salt bath cleaning operation with a 1.5 million British thermal unit per hour heater, identified as PS-12, constructed in 1998, exhausting to stack S-12.
(p)	One (1) forge operation, consisting of twenty-two (22) machines, identified as PS-8a through v, constructed in 1999, each controlled by a fabric filter, identified as PSC-8a through v, exhausting into the building, capacity: 845 parts and 236 pounds per hour.
(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)	

## Emission Limitations and Standards

### D.1.1 Particulate [326 IAC 6-3-2(d)]

- (a) Particulate from the surface coating, reinforced plastics composites fabricating manufacturing processes, or graphic arts manufacturing processes (six (6) Glass Frit ESP spray guns, identified as PS-4a through f) shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with manufacturer's specifications.
- (b) If overspray is visibly detected at the exhaust or accumulates on the ground, the Permittee shall inspect the control device and do either of the following no later than four (4) hours after such observation:
- (1) Repair control device so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
  - (2) Operate equipment so that no overspray is visibly detectable at the exhaust or accumulates on the ground.
- (c) If overspray is visibly detected, the Permittee shall maintain a record of the action taken as a result of the inspection, any repairs of the control device, or change in operations, so that overspray is not visibly detected at the exhaust or accumulates on the ground. These records must be maintained for five (5) years.

#### D.1.2 Particulate [326 IAC 6-3-2]

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- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the one (1) maintenance grind station (including three (3) hand grinders, one (1) band saw, two (2) welding stations, three (3) wet saws, three (3) belt sanders, and one (1) machine grinder), identified as PS-2, controlled by fabric filter PSC-2, shall not exceed 1.62 pounds per hour, total, when operating at a process weight rate of 500 pounds per hour, total.
- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the one (1) Pangborn roto blast machine, identified as PS-9a, controlled by fabric filter PSC-2, shall not exceed 5.62 pounds per hour, when operating at a process weight rate of 3,200 pounds per hour.
- (c) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the one (1) graphite die pattern cutting operations, identified as PS-9b, controlled by fabric filter PSC-2, shall not exceed 0.551 pounds per hour, total, when operating at a process weight rate of less than 100 pounds per hour, total.
- (d) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the one (1) Wheelabrator shot blast machine, identified as PS-6, shall not exceed 3.24 pounds per hour, when operating at a process weight rate of 1,400 pounds per hour.
- (e) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the one (1) Irvin steel shot blast machine, identified as PS-6a, shall not exceed 3.07 pounds per hour, when operating at a process weight rate of 1,300 pounds per hour.
- (f) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the two (2) machine operated wet abrasive saws, identified as MS-1 and MS-2, shall not exceed 1.05 pounds per hour, when operating at a process weight rate of 263 pounds per hour.
- (g) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the one (1) Goff shot blast machine, identified as PS-6b, shall not exceed 5.01 pounds per hour, when operating at a process weight rate of 2,700 pounds per hour.

The pounds per hour limitations were calculated using the following equation:

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

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

#### D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

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A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

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

**D.1.4 Particulate Control**

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Pursuant to CP 035-9563-00011, issued on July 6, 1998, the fabric filters constructed in 1999 (PSC-1, PSC-2, PSC-6b, PSC-11, and inspection booth filter), fabric filter constructed in 2001 (PSC-6b) and a dust collector constructed in 2006 (PSC-6, PSC-6a ), for particulate control and the scrubber (PSC-7) for SO<sub>2</sub> and HF control shall be in operation and control emissions from the facilities exhausting to those devices at all times when the facilities exhausting to that control device are in operation.

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

**D.1.5 Record Keeping Requirements**

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- (a) To document compliance with Condition D.1.3, the Permittee shall maintain records of any inspections prescribed by the Preventive Maintenance Plan.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**MALFUNCTION REPORT**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
FAX NUMBER - 317 233-5967**

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

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

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

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

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

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

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

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

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/20\_\_\_\_ \_\_\_\_\_ AM / PM

TYPE OF POLLUTANTS EMITTED: TSP, PM<sub>10</sub>, SO<sub>2</sub>, VOC, OTHER: \_\_\_\_\_

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

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

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_  
INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_

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

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

\*SEE PAGE 2

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

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

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

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

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

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

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

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

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION**

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

<b>Company Name:</b>	<b>AeroForge Corporation</b>
<b>Address:</b>	<b>3901 South Delaware Drive</b>
<b>City:</b>	<b>Muncie</b>
<b>Phone #:</b>	<b>(765) 747-7147</b>
<b>MSOP #:</b>	<b>035-18183-00059</b>

I hereby certify that AeroForge Corporation is  still in operation.  
 no longer in operation.

I hereby certify that AeroForge Corporation is  in compliance with the requirements of MSOP 035-18183-00059.  
 not in compliance with the requirements of MSOP 035-18183-00059.

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

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

<b>Noncompliance:</b>