

Mr. Hipple  
South Bend Acquisition Corporation  
220 W. Eckman Street  
South Bend, IN 46601

Re: 141-12734  
**First Administrative Amendment to  
Part 70 T141-6210-00010**

Dear Mr. Hipple:

South Bend Acquisition Corporation was issued a permit on February 18, 1999 for a stationary gray and ductile iron foundry. A letter requesting a change in capacity for the one (1) Tumbleblast shotblaster and the one (1) Spinnerblast shotblaster was received on September 20, 2000. The changes are as follows, with deleted language as ~~strikeouts~~ and new language **bolded**. Pursuant to the provisions of 326 IAC 2-7-11, the permit is hereby administratively amended as follows:

Due to stack testing and production results from the source, the following changes are to be made to Condition A.2(8) and Sections D.7 and D.9 of permit T 141-6210-00010. The allowable PM emission limits for these emission units have not changed since they are limited to 0.03 grains per dry standard foot of outlet air pursuant to 326 IAC 6-1-2.

- A.2(8)(a) One (1) Tumbleblast shotblaster, constructed in November, 1965, identified as unit 3, with a maximum capacity of ~~42.5~~ **3.5** tons of iron castings per hour, using a 6,300 acfm baghouse identified as CE-4 as emissions control.
- A.2(8)(c) One (1) Spinnerblast shotblaster, constructed in 1979, identified as unit 7, with a maximum capacity of ~~4.5~~ **0.85** tons of iron castings per hour, using a 4,500 acfm baghouse identified as CE-3 as control.

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

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Craig J. Friederich, c/o OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, at 631-691-3395 or in Indiana at 1-800-451-6027 (ext 631-691-3395).

Sincerely,

Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

Attachments

CJF/MES

cc: File - St. Joseph County  
U.S. EPA, Region V  
St. Joseph County Health Department  
Northern Regional Office  
Air Compliance Section Inspector - Rick Reynolds  
Compliance Data Section - Karen Nowak  
Administrative and Development - Janet Mobley  
Technical Support and Modeling - Michele Boner

**PART 70 OPERATING PERMIT  
and ENHANCED NEW SOURCE REVIEW  
OFFICE OF AIR MANAGEMENT  
and St. Joseph County Health Department**

**South Bend Acquisition Corporation  
220 W. Eckman Street  
South Bend, Indiana 46601**

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 and 326 IAC 2-1-3.2 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T 141-6210-00010	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: February 18, 1999
First Administrative Amendment: AT 141-12734-00010	Pages Affected: 8, 42 and 48
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

- (6) one (1) shakeout system, constructed in 1977, identified as unit 6A, utilized for servicing the Herman and Slinger mold lines, with a maximum capacity of 6 tons of iron per hour and 30 tons of sand per hour, controlled by the north cyclone and a wet scrubber identified as CE-1A;
- (7) one (1) shakeout system, constructed in 1983, identified as unit 9A, utilized for servicing the Pinlift mold line, with a maximum capacity of 5 tons of iron per hour and 16 tons of sand per hour, with emissions uncontrolled;
- (8) one (1) castings cleaning/finishing operation consisting of the following emissions units:
  - (a) one (1) Tumbleblast shotblaster, constructed in November, 1965, identified as unit 3, with a maximum capacity of 12.5 tons of iron castings per hour, using a 6300 acfm baghouse identified as CE-4 as emissions control;
  - (b) one (1) Tableblast shotblaster, constructed in July, 1967, identified as unit 4, with a maximum capacity of 3.0 tons of iron castings per hour, using a 4500 acfm baghouse identified as CE-2 as control;
  - (c) one (1) Spinnerblast shotblaster, constructed in 1979, identified as unit 7, with a maximum capacity of 1.5 tons of iron castings per hour, using a 4500 acfm baghouse identified as CE-3 as control.
- (9) one (1) coremaking process, with a maximum capacity of 6 tons of iron per hour, uncontrolled, consisting of the following emission units:
  - (a) four (4) Shalco shell core machines, constructed in 1966, identified as emission units 13A through 13D, each with a maximum heat input capacity of 0.4 million British thermal units per hour, each with a maximum capacity of 250 pounds of sand per hour and 6.25 pounds of resin per hour;
  - (b) two (2) Beardsley and Piper corematics, constructed in 1974, identified as emission units 13E and 13F, each with a maximum heat input capacity of 0.5 million British thermal units per hour, each with a maximum capacity of 125 pounds of sand per hour and 3.125 pounds of resin per hour;
  - (c) one (1) Beardsley and Piper Petibone, constructed in 1974, identified as unit 13G, with a maximum heat input capacity of 0.2 million British thermal units per hour, with a maximum capacity of 150 pounds of sand per hour and 3.75 pounds of resin per hour;
  - (d) one (1) Howard water based core wash drying oven, constructed in 1987, identified as unit 15A, with a maximum heat input capacity of 0.2 million British thermal units per hour, with emissions exhausting through stack S3;
  - (e) one (1) Feco-A-Bangor Punta water based core wash drying oven, constructed in 1987, identified as unit 15B, with a maximum heat input capacity of 0.2 million British thermal units per hour, with emissions exhausting through stack S2;
  - (f) one (1) Dry-Sys Equipment core curing oven, constructed in 1956, identified as unit 15C, with a maximum heat input capacity of 0.2 million British thermal units per hour, with emissions uncontrolled and exhausting through stack S1;
  - (g) one (1) oil sand core making process, identified as unit 17, constructed prior to 1970, with a maximum capacity of 110 pounds of sand per hour and 3.52.

## SECTION D.7

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]

one (1) Tumbleblast shotblaster, constructed in November, 1965, identified as unit 3, with a maximum capacity of 3.5 tons of iron castings per hour, using a 6300 acfm baghouse identified as CE-4 as emissions control.

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.7.1 Nonattainment Area Particulate Limitations [326 IAC 6-1-18]

Pursuant to 326 IAC 6-1-18 (Nonattainment Area Particulate Limitations), the particulate matter (PM) emissions from the Tumbleblast shotblaster shall not exceed 0.030 grains per dry standard cubic foot of exhaust air and 5.0 tons per year.

#### D.7.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.

### Compliance Determination Requirements

#### D.7.3 Testing Requirements [326 IAC 2-7-6(1),(6)]

Within 180 days after the issuance of this permit, the Permittee shall perform PM testing of the Tumbleblast shotblaster, using methods as approved by the Commissioner, in order to demonstrate compliance with condition D.7.1. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.

#### D.7.4 Particulate Matter (PM)

The baghouse CE-4 for PM control shall be in operation at all times when the Tumbleblast shotblaster is in operation.

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

#### D.7.5 Visible Emissions Notations

- (a) Daily visible emission notations of the baghouse CE-4 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

## SECTION D.9

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]

one (1) Spinnerblast shotblaster, constructed in 1979, identified as unit 7, with a maximum capacity of 0.85 tons of iron castings per hour, using a 4500 acfm baghouse identified as CE-3 as control.

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.9.1 Nonattainment Area Particulate Limitations [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2 (Nonattainment Area Particulate Limitations), the particulate matter (PM) emissions from the Spinnerblast shotblaster shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

#### D.9.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.

### Compliance Determination Requirements

#### D.9.3 Testing Requirements [326 IAC 2-7-6(1),(6)]

Within 180 days after the issuance of this permit, the Permittee shall perform PM testing of the Spinnerblast shotblaster, using methods as approved by the Commissioner, in order to demonstrate compliance with condition D.9.1. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. In addition to these requirements, IDEM may require compliance testing when necessary to determine if the facility is in compliance.

#### D.9.4 Particulate Matter (PM)

The baghouse CE-3 for PM control shall be in operation at all times when the Spinnerblast shotblaster is in operation.

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

#### D.9.5 Visible Emissions Notations

- (a) Daily visible emission notations of the baghouse CE-3 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.