



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: March 14, 2005
RE: Contech Metal Forge Division of SPX / 033-20035-00026
FROM: Paul Dubenetzky
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 1/10/05



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

March 14, 2005

Mr. Daniel Hollenbeck PE
Contech Metal Forge Division of SPX
1200 Power Drive
Auburn, Indiana 46706

Re: 033-20035-00026
Third Notice-only change to
MSOP 033-12852-00026

Dear Mr. Hollenbeck:

Contech Metal Forge Division of SPX was issued a Minor Source Operating Permit in June 28, 2001 for an aluminum die casting operation. A letter requesting to install and operate one (1) additional natural gas fired reverberatory furnace was received on December 20, 2004. Pursuant to the provisions of 326 IAC 2-6.1-6(d), the permit is hereby revised as follows:

1. The source requested to add one (1) natural gas reverberatory furnace with a maximum heat input capacity of 9.6 MMBtu/hr and a maximum throughput rate of 1.5 tons of aluminum ingot per hour. This new unit is the same as the existing reverberatory furnaces Units #1 and #2 and will comply with the same applicable requirements and permit terms and conditions as the existing emission units. The potential to emit of the new reverberatory furnace (see Appendix A) is 4.20 tons/yr for NOx (major pollutant) which is less than the thresholds in 326 IAC 2-2 (PSD). In addition, the potential to emit of the entire source after adding this new furnace is still less than the Title V major source thresholds. Therefore, adding this new furnace is considered as a notice only change, pursuant to 326 IAC 2-6.1-6(d)(13). Condition A.2 and Section D.1 have been revised as follows:

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) Two (2) natural gas reverberatory furnaces, installed in February 1986 and identified as Units # 1 and 2, each rated at 9.6 million British thermal units per hour, each with a capacity of 1.5 tons of aluminum per hour, and exhausting to two stacks, identified as S1 and S2.
- (b) One (1) natural gas-fired reverberatory furnace, installed in September, 1989 and identified as Unit # 3, rated at 8 million British thermal units per hour with a capacity of 1.5 tons of aluminum per hour, and exhausting to a stack identified as S3.
- (c) Seven (7) 1000 ton Prince Conventional die cast machines, exhausting to stacks EF3-EF14.
- (d) Fifteen (15) 800 ton Prince Conventional die cast machines, exhausting to stacks EF3 - EF14.
- (e) **One (1) natural gas-fired reverberatory furnace, identified as Unit #4, to be constructed in 2005, with a maximum heat input capacity of 9.6 MMBtu/hr and a maximum throughput rate of 1.5 tons of aluminum ingot per hour, and exhausting to stack S-4.**



SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description:

- (a) Two (2) natural gas reverberatory furnaces, installed in February 1986 and identified as Units # 1 and 2, each rated at 9.6 million British thermal units per hour, each with a capacity of 1.5 tons of aluminum per hour, and exhausting to two stacks, identified as S1 and S2.
- (b) One (1) natural gas-fired reverberatory furnace, installed in September 1989 and identified as Unit # 3, rated at 8 million British thermal units per hour with a capacity of 1.5 tons of aluminum per hour, and exhausting to a stack identified as S3.
- (e) **One (1) natural gas-fired reverberatory furnace, identified as Unit #4, to be constructed in 2005, with a maximum heat input capacity of 9.6 MMBtu/hr and a maximum throughput rate of 1.5 tons of aluminum ingot per hour, and exhausting to stack S-4.**

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

D.1.1 Particulate Emissions Matter (PM) [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the facilities shall not exceed the following when operating at a process weight rate as shown.

Facility	Process Weight Rate (tons/hr)	Allowable PM (lb/hr)
Unit #1 - Reverbatory Furnace	1.5	5.38
Unit #2 - Reverbatory Furnace	1.5	5.38
Unit #3 - Reverbatory Furnace	1.5	5.38
Unit #4 - Reverbatory Furnace	1.5	5.38

The pounds per hour limitation was calculated with 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:

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

Meeting the allowable emissions under 326 IAC 6-3-2 will also render the requirements for of **326 IAC 2-2**(prevention of significant deterioration (PSD)), ~~326 IAC 2-2 and 40 CFR 52.21~~ not applicable.

2. This source only uses aluminum ingots and is not engaged in the metal recovery process. Therefore, this source is not considered a secondary metal production plant and is not in 1 of 28 source categories, as defined in 326 IAC 2-2-1(gg)(1). For clarification purposes, Condition A.1 has been revised as follows:

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

The Permittee owns and operates an aluminum die casting facility.

Authorized Individual: Director of Operations
 Source Address: 1200 Power Drive, Auburn, Indiana 46706
 Mailing Address: 1200 Power Drive, Auburn, Indiana 46706
 Phone Number: 260-925-4711 Ext. 126
 SIC Code: 3363
 County Location: DeKalb
Source Location County Status: Attainment for all criteria pollutants

Source Status: **Minor Source Operating Permit;**
Minor Source, under PSD Rules;
Minor Source, Section 112 of the Clean Air Act
Not 1 of 28 Source Categories

Condition D.1.2 has been added to the revised permit to state that the Permittee shall handle clean charge, customer returns, or internal scrap at this source and shall not operate a thermal chip dryer as each is defined in 40 CFR 63.1503. An associated record keeping requirement (Condition D.1.3) has also been added to the revised permit as follow:

D.1.2 Secondary Metal Production

The Permittee shall melt only “clean charge,” “customer returns,” or “internal scrap” and shall not operate a “thermal chip dryer” as each is defined in 40 CFR 63.1503. Violation of this condition would cause the source to be considered a secondary metal production facility which is one of the 28 listed source categories.

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

D.1.3 Record Keeping Requirement

In order to document compliance with Condition D.1.2, the Permittee shall maintain records of the type of aluminum melted in the furnaces sufficient to show compliance with Condition D.1.2.

Upon further review, IDEM also made the following changes to the permit:

1. The mailing address for IDEM, OAQ has been changed to:

110 North Senate Avenue
Indianapolis, Indiana 46204

This change has been made throughout the whole permit.

All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised permit.

Pursuant to Contract No. 305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Yu-Lien Chu, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7871 to speak directly to Ms.Chu. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204, or call (800) 451-6027 and ask for Duane Van Laningham or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original signed by
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

ERG/YC

cc: File - DeKalb County
Northern Regional Office
DeKalb County Health Department
Air Compliance Section Inspector - Doyle Houser
Compliance Data Section
Administrative and Development
Technical Support and Modeling - Michele Boner



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

MINOR SOURCE OPERATING PERMIT OFFICE OF AIR QUALITY

**Contech Metal Forge Division of SPX
1200 Power Drive
Auburn, Indiana 46706**

(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 033-12852-00026	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 28, 2001 Expiration Date: June 28, 2006

First Notice-Only Change: 033-15188-00026, issuance date February 14, 2002
Second Notice-only Change: 033-17873-00026, issuance date August 11, 2003

Third Notice-only Change No.: 033-20035-00026	Pages Affected: 3 and 11
Issued by: Original signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: March 15, 2005

TABLE OF CONTENTS

SECTION A	SOURCE SUMMARY	3
A.1	General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]	
A.2	Emissions Units and Pollution Control Equipment Summary	
A.3	Part 70 Permit Applicability [325 IAC 2-7-2]	
SECTION B	GENERAL CONSTRUCTION CONDITIONS	4
B.1	Permit No Defense [IC 13]	
B.2	Definitions	
B.3	Effective Date of the Permit [IC13-15-5-3]	
B.4	Revocation of Permits [326 IAC 2-1.1-9(5)]	
B.5	Modification to Permit [326 IAC 2]	
SECTION C	SOURCE OPERATION CONDITIONS	5
C.1	PSD Minor Source Status [326 IAC 2-2] [40 CFR 52.21]	
C.2	Preventive Maintenance Plan [326 IAC 1-6-3]	
C.3	Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]	
C.4	Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)]	
C.5	Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]	
C.6	Permit Revocation [326 IAC 2-1-9]	
C.7	Opacity [326 IAC 5-1]	
C.8	Fugitive Dust Emissions [326 IAC 6-4]	
C.9	Stack Height [326 IAC 1-7]	
	Testing Requirements	
C.10	Performance Testing [326 IAC 3-6]	
	Compliance Monitoring Requirements	
C.11	Monitoring Methods [326 IAC 3]	
C.12	Actions Related to Noncompliance Demonstrated by a Stack Test	
	Record Keeping and Reporting Requirements	
C.13	Malfunctions Report [326 IAC 1-6-2]	
C.14	Monitoring Data Availability [326 IAC 2-6.1-2] [IC 13-14-1-13]	
C.15	General Record Keeping Requirements [326 IAC 2-6.1-2]	
C.16	General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]	
C.17	Annual Notification [326 IAC 2-6.1-5(a)(5)]	
SECTION D.1	EMISSIONS UNIT OPERATION CONDITIONS	11
	Emission Limitations and Standards [326 IAC 2-6.1]	
D.1.1	Particulate Emissions [326 IAC 6-3]	
D.1.2	Secondary Metal Production	
	Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]	
D.1.3	Record Keeping Requirement	
SECTION D.2	EMISSIONS UNIT OPERATION CONDITIONS	12
	Emission Limitations and Standards [326 IAC 2-6.1]	
	Annual Notification	14
	Malfunction Report	15

SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates an aluminum die casting facility.

Authorized Individual: Director of Operations
Source Address: 1200 Power Drive, Auburn, Indiana 46706
Mailing Address: 1200 Power Drive, Auburn, Indiana 46706
Phone Number: 260-925-4711 Ext. 126
SIC Code: 3363
County Location: DeKalb
Source Location Status: Attainment for all criteria pollutants
Source Status: Minor Source Operating Permit;
Minor Source, under PSD Rules;
Minor Source, Section 112 of the Clean Air Act
Not 1 of 28 Source Categories

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) Two (2) natural gas reverberatory furnaces, installed in February 1986 and identified as Units # 1 and 2, each rated at 9.6 million British thermal units per hour, each with a capacity of 1.5 tons of aluminum per hour, and exhausting to two stacks, identified as S1 and S2.
- (b) One (1) natural gas-fired reverberatory furnace, installed in September, 1989 and identified as Unit # 3, rated at 8 million British thermal units per hour with a capacity of 1.5 tons of aluminum per hour, and exhausting to a stack identified as S3.
- (c) Seven (7) 1000 ton Prince Conventional die cast machines, exhausting to stacks EF3-EF14.
- (d) Fifteen (15) 800 ton Prince Conventional die cast machines, exhausting to stacks EF3 - EF14.
- (e) One (1) natural gas-fired reverberatory furnace, identified as Unit #4, to be constructed in 2005, with a maximum heat input capacity of 9.6 MMBtu/hr and a maximum throughput rate of 1.5 tons of aluminum ingot per hour, and exhausting to stack S-4.

A.3 Part 70 Permit Applicability [325 IAC 2-7-2]

This Minor Source Operating Permit 033-12852-00026 supersedes FESOP 033-5065-00026 issued on December 4, 1996.

This stationary source was previously required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because it was considered a major source, as defined in 326 IAC 2-7-1(22). Due to process changes involving the removal of a Goff shot blast system, this definition no longer applies to the source.

SECTION B GENERAL CONSTRUCTION CONDITIONS

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, any applicable definitions found in 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 Modification to Permit [326 IAC 2]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

C.1 PSD Minor Source Status [326 IAC 2-2] [40 CFR 52.21]

- (a) The total source potential to emit of all criteria pollutant is less than 250 tons per year. Therefore the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) will not apply.
- (b) Any change or modification which may increase potential to emit to 250 tons per year from this source, shall cause this source to be considered a major source under PSD, 326 IAC 2-2, and shall require approval from IDEM, OAQ prior to making the change.
- (c) Any change or modification which may increase potential to emit to 10 tons per year of any single hazardous air pollutant, twenty-five tons per year of any combination of hazardous air pollutants, or 100 tons per year of any other regulated pollutant from this source, shall cause this source to be considered a major source under Part 70 Permit Program, 326 IAC 2-7, and shall require approval from IDEM, OAQ prior to making the change.

C.2 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMP) 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;
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that failure to implement the Preventive Maintenance Plan does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) PMP's shall be submitted to IDEM, OAQ, upon request and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its Preventive Maintenance Plan whenever lack of proper maintenance causes or contributes to any violation.

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

- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application should be certified by the "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)]

C.4 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)]

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) 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) 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) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

C.5 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]

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

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

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

C.6 Permit Revocation [326 IAC 2-1-9]

Pursuant to 326 IAC 2-1-9(a)(Revocation of Permits), this permit 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.7 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.8 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). 326 IAC 6-4-2(4) is not federally enforceable.

C.9 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4(d), (e), and (f), and 326 IAC 1-7-5 (d) are not federally enforceable.

Testing Requirements

C.10 Performance Testing [326 IAC 3-6]

- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later 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

no later than thirty-five (35) days prior to the intended test date. The Permittee shall submit a notice of the actual test date to the above address so that it is received at least two weeks prior to the test date.

- (b) All test reports must be received by IDEM, OAQ within 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 within five (5) days prior to the end of the initial forty-five (45) day period.

The documentation submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1.

Compliance Monitoring Requirements

C.11 Monitoring Methods [326 IAC 3]

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, or other approved methods as specified in this permit.

C.12 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 corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected emissions unit while the corrective actions are being implemented. IDEM, OAQ shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAQ within thirty (30) days of receipt of the notice of deficiency. IDEM, OAQ reserves the authority to use enforcement activities to resolve noncompliant stack tests.
- (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. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected emissions unit.

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

Record Keeping and Reporting Requirements

C.13 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.14 Monitoring Data Availability [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) With the exception of performance tests conducted in accordance with Section C-Performance Testing, all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.
- (b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.
- (c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.
- (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.
- (e) At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.
- (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements stated in (a) above.

C.15 General Record Keeping Requirements [326 IAC 2-6.1-2]

- (a) Records of all required monitoring data and support information 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 kept at the source location for a minimum of three (3) years and available upon the request of an IDEM, OAQ, representative. 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 written request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Records of required monitoring information shall include, where applicable:
 - (1) The date, place, and time of sampling or measurements;
 - (2) The dates analyses were performed;
 - (3) The company or entity performing the analyses;
 - (4) The analytic techniques or methods used;
 - (5) The results of such analyses; and
 - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include, where applicable:

- (1) Copies of all reports required by this permit;
 - (2) All original strip chart recordings for continuous monitoring instrumentation;
 - (3) All calibration and maintenance records;
 - (4) Records of preventive maintenance shall be sufficient to demonstrate that failure to implement the Preventive Maintenance Plan did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.
- (d) All record keeping requirements not already legally required shall be implemented when operation begins.

C.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

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

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

- (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) 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.

C.17 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:

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

Indianapolis, IN 46204

- (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.

SECTION D.1

EMISSIONS UNIT OPERATION CONDITIONS

Facility Description:	
(a)	Two (2) natural gas reverberatory furnaces, installed in February 1986 and identified as Units # 1 and 2, each rated at 9.6 million British thermal units per hour, each with a capacity of 1.5 tons of aluminum per hour, and exhausting to two stacks, identified as S1 and S2.
(b)	One (1) natural gas-fired reverberatory furnace, installed in September 1989 and identified as Unit # 3, rated at 8 million British thermal units per hour with a capacity of 1.5 tons of aluminum per hour, and exhausting to a stack identified as S3.
(e)	One (1) natural gas-fired reverberatory furnace, identified as Unit #4, to be constructed in 2005, with a maximum heat input capacity of 9.6 MMBtu/hr and a maximum throughput rate of 1.5 tons of aluminum ingot per hour, and exhausting to stack S-4.
(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)	

Emission Limitations and Standards [326 IAC 2-6.1]

D.1.1 Particulate Emissions [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes), the particulate emissions from the facilities shall not exceed the following when operating at a process weight rate as shown.

Facility	Process Weight Rate (tons/hr)	Allowable PM (lb/hr)
Unit #1 - Reverbatory Furnace	1.5	5.38
Unit #2 - Reverbatory Furnace	1.5	5.38
Unit #3 - Reverbatory Furnace	1.5	5.38
Unit #4 - Reverbatory Furnace	1.5	5.38

The pounds per hour limitation was calculated with 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:

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

Meeting the allowable emissions under 326 IAC 6-3-2 will also render the requirements of 326 IAC 2-2 (prevention of significant deterioration (PSD)) not applicable.

D.1.2 Secondary Metal Production

The Permittee shall melt only "clean charge," "customer returns," or "internal scrap" and shall not operate a "thermal chip dryer" as each is defined in 40 CFR 63.1503. Violation of this condition would cause the source to be considered a secondary metal production facility which is one of the 28 listed source categories.

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

D.1.3 Record Keeping Requirement

In order to document compliance with Condition D.1.2, the Permittee shall maintain records of the type of aluminum melted in the furnaces sufficient to show compliance with Condition D.1.2.

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description

- (c) Seven (7) 1000 ton Prince Conventional die cast machines, exhausting to stacks EF3-EF-14.
- (d) Fifteen (15) 800 ton Prince Conventional die cast machines, exhausting to stacks EF3-EF-14.

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

Emission Limitations and Standards [326 IAC 2-6.1]

There are no specifically applicable requirements for these facilities.

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

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

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

Company Name:	Contech Metal Forge Division of SPX
Address:	1200 Power Drive
City:	Auburn, Indiana 46706
Phone #:	260-925-4711 Ext. 126
MSOP #:	033-12852-00026

I hereby certify that Contech Metal Forge Division of SPX is

- still in operation.
- no longer in operation.

I hereby certify that Contech Metal Forge Division of SPX is

- in compliance with the requirements of MSOP 033-12852-00026.
- not in compliance with the requirements of MSOP 033-12852-00026.

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

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

Noncompliance:

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 ?_____, 100TONS/YEAR CARBON MONOXIDE ?_____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?_____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?_____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?_____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?_____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

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

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

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

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

DATE/TIME MALFUNCTION STARTED: ____/____/20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE ____/____/20____ _____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: _____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:
CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES: _____
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: _____
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: _____
INTERIM CONTROL MEASURES: (IF APPLICABLE) _____

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

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

*SEE PAGE 2

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

326 IAC 1-6-1 Applicability of rule

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

326 IAC 1-2-39 "Malfunction" definition

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

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

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

**Appendix A: Emission Calculations
 Natural Gas Combustion
 (MMBtu/hr < 100)
 From the 9.6 MMBtu/hr Reverberatory Furnace Unit #4**

**Company Name: Contech Metal Forge Division of SPX
 Address: 1200 Power Drive, Auburn, IN 46706
 Notice Only Change: 033-20035-00026
 Reviewer: ERG/YC
 Date: February 1, 2005**

Heat Input Capacity
 MMBtu/hr

9.6

Potential Throughput
 MMCF/yr

84.1

This furnace is used to melt only aluminum ingots.

	Pollutant					
Emission Factor in lbs/MMCF	PM*	PM10*	SO ₂	**NO _x	VOC	CO
	7.6	7.6	0.6	100	5.5	84.0
Potential to Emit in tons/yr	0.32	0.32	0.03	4.20	0.23	3.53

*PM and PM10 emission factors are condensable and filterable PM10 combined.

**Emission factors for NO_x: Uncontrolled = 100 lbs/MMCF.

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

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

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