



Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

June 10, 2004

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

TO: Interested Parties / Applicant
RE: Hitachi Cable Indiana, Inc. / 043-19198-00023
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 9/16/03

Mr. Stephen Williams
Hitachi Cable Indiana, Inc.
5300 Grant Line Road
New Albany, Indiana 47150

Re: 043-19198
Second Administrative Amendment to
Part 70 043-6888-00023

Dear Mr. Williams:

Hitachi Cable Indiana, Inc., located at 5300 Grant Line Road, New Albany, Indiana 47150 was issued a Part 70 permit on April 22, 1999 for a fluid power hoses and fittings manufacturing plant. A letter requesting a change to the permit was received on May 17, 2004.

Request 1: Two of the back up boilers recently failed and the other one is not fit to continue operation. It is essential that a replacement be installed as quickly as possible for both safety and production reasons. The source has selected the following boiler:

- (a) One (1) natural gas-fired boiler, identified as Hurst Boiler, with a maximum heat input capacity of 17.5 million British thermal units per hour (mmBtu/hr). This boiler will replace the existing three (3) backup boilers, identified as EU02, EU03, and EU04, each with a maximum heat input capacity of 3.92 mmBtu/hr classified as insignificant activities.

Request 2: The Part 70 permit should be amended to reflect the following activities:

- (a) Emission unit EU07, Pilot Line #73.003 Glue Applicator High Pressure was removed as of February, 2002;
- (b) Emission unit EU-06, Vapor Degreaser #352.001 was removed as of March, 2001; and
- (c) Three (3) boilers, EU02, EU03, and EU04 Maira LX100 Boilers will be removed by July 31, 2004.

Request 3: The source will also be installing an insignificant natural gas-fired emergency generator, identified as GEN 001 with a maximum rated capacity of 67 HP.

The new boiler emits NOx below 10 tons per year to qualify for a source modification, therefore, pursuant to the provisions of 2-7-11(5), the change qualifies as a revision to descriptive information where the revision will not trigger a new applicable requirements or violate a permit term. Therefore, permit is hereby administratively amended as follows (additions are **bolded** and deletions are ~~struck through~~ for emphasis):

Response 1: The three (3) replaced boilers are insignificant activities, whereas, the new replacement boiler is not classified as an insignificant activity. Section A.2 and Section D.2 will be amended to include this new boiler.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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

- (1) Two (2) rubber cable coating booths, each with one (1) glue applicator, identified as Glue Applicator Extruder #73.001 and Glue Applicator Extruder #73.002 respectively, each with the maximum capacity to coat either 5316 feet of vacuum hose per hour or 3150 feet of TKS return hose per hour by flowcoating method, with one (1) flameless thermal oxidizer, identified as CE01 to control VOC emissions from both booths, exhausting to one (1) stack, identified as S/V01. (Constructed in 1996)
- (2) One (1) natural gas-fired boiler, identified as Johnston Boiler #591.026, rated at 16.74 mmBtu per hour, exhausting to one (1) stack identified as S/V05. (Constructed in 1996)
- ~~(3) One (1) high pressure pilot line glue applicator, identified as Glue Applicator High Pressure #73.003, constructed in 1997, with the maximum capacity to coat 3125 feet of rubber hose per hour, with one (1) flameless thermal oxidizer, identified as CE01 to control VOC emissions, exhausting to one (1) stack identified as S/V01.~~
- (3) One (1) natural gas-fired boiler, identified as Hurst Boiler, with a maximum heat input capacity of 17.5 million British thermal units per hour (mmBtu/hr).

SECTION D.2

FACILITY OPERATION CONDITIONS

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

- (2) One (1) natural gas-fired boiler, identified as Johnston Boiler #591.026, rated at 16.74 mmBtu per hour, exhausting to one (1) stack identified as S/V05. (Constructed in 1996)
- (3) One (1) natural gas-fired boiler, identified as Hurst Boiler, with a maximum heat input capacity of 17.5 million British thermal units per hour (mmBtu/hr).

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

D.2.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

- (a) Pursuant to 326 IAC 6-2-4, particulate matter emissions from Johnston Boiler #591.026 shall not exceed 0.4562 lb/mmBtu. ~~which was determined by the following equation:~~

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where: Pt = ~~_____~~ Pounds of particulate matter emitted per million Btu (lb/MMBTU) heat ~~_____~~ input.

Q = ~~_____~~ Total source maximum operating capacity rating in million Btu per hour (MMBTU/hr) heat input. The maximum operating capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

- (2) Pursuant to 326 IAC 6-2-4, particulate matter emissions from the Hurst Boiler shall not exceed 0.42 lb/mmBtu.
- (3) Particulate Matter emission limits in (a) and (b) of this condition shall be determined using the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where: Pt = Pounds of particulate matter emitted per million Btu (lb/MMBTU) heat input.

Q = Total source maximum operating capacity rating in million Btu per hour (MMBTU/hr) heat input. The maximum operating capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

D.2.2 no change

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.3 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain records in accordance with 326 IAC 12 (40 CFR 60.48c (g)). The owner or operator of Johnston Boiler #591.026 and the **Hurst Boiler** shall record and maintain records of the amounts of each fuel combusted during each day.
- (b) Pursuant to section (a) of ' 60.48, the Permittee shall submit notification of the date of construction, anticipated startup and actual startup of the Hurst Boiler as provided by ' 60.7 of this NSPS. The notification shall include:
 - (1) The design heat input capacity of the Hurst Boiler and identification of the fuel to be combusted, and
 - (2) The annual capacity factor at which the Permittee anticipates operating the Hurst Boiler based on fuel fired.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.4 no change

Response 2(a): Emission unit EU07, Pilot Line #73.003 Glue Applicator High Pressure will be deleted from Section A.2 and Section D.1 See Response 1 for its deletion in Section A.2

SECTION D.1

FACILITY OPERATION CONDITIONS

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

- (a) Two (2) rubber cable coating booths, each with one (1) glue applicator, identified as Glue Applicator Extruder #73.001 and Glue Applicator Extruder #73.002 respectively, each with the maximum capacity to coat either 5316 feet of vacuum hose per hour or 3150 feet of TKS return hose per hour by flowcoating method, with one (1) flameless thermal oxidizer, identified as CE01 to control VOC emissions from both booths, exhausting to one (1) stack, identified as S/V01. (Constructed in 1996)
- ~~(b) One (1) high pressure pilot line glue applicator, identified as Glue Applicator High Pressure #73.003, constructed in 1997, with the maximum capacity to coat 3125 feet of rubber hose per hour, with one (1) flameless thermal oxidizer, identified as CE01 to control VOC emissions, exhausting to one (1) stack identified as SAV01.~~

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

D.1.1 General Reduction Requirements for New Facilities [326 IAC 8-1-6]

- (a) Pursuant to CP No. 043-4741-00023, issued on December 20, 1995, and 326 IAC 8-1-6, the BACT shall be: the thermal oxidizer, CE01, shall be in operation at all times when the two (2) glue applicators of the two (2) rubber cable coating booths, Glue Applicator Extruder #73.001 and Glue Applicator Extruder #73.002, are in operation, and maintain a minimum 95% destruction efficiency and a minimum capture efficiency of 90%.
- ~~(b) The thermal oxidizer, CE01, shall be in operation at all times when the high pressure pilot line glue applicator, Glue Applicator High Pressure #73.003, is in operation and maintain a minimum 95% destruction efficiency and a minimum capture efficiency of 90%.~~

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-4(c)(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Glue Applicator Extruder #73.001 **and** Glue Applicator Extruder #73.002, ~~and Glue Applicator High Pressure #73.003~~ and any control devices.

Compliance Determination Requirements

D.1.3 Testing Requirements [326 IAC 2-7-6(1)]

- ~~(a)~~ An initial stack test was performed on Glue Applicator Extruder #73.001 and Glue Applicator Extruder #73.002 as per CP No. 043-4741-00023, issued on December 20, 1995, operating condition 3. This test shall be repeated at least once before November 19, 2001 and repeated at least once every five (5) years from the date of this valid compliance demonstration. This test shall be performed according to 326 IAC 3-6 (Source Sampling Procedures) using the methods specified or other approved methods as approved by the Commissioner.

~~(b) During the period between 30 and 36 months after the issuance of this permit, the Permittee shall perform compliance stack testing for the overall control efficiency of the thermal oxidizer, CE01, controlling the VOC emissions of the high pilot line glue applicator, Glue Applicator High Pressure #73.003, regarding the VOCs. This test shall be performed according to 326 IAC 3-6 (Source Sampling Procedures) using the methods specified or other approved methods as approved by the Commissioner. 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.1.4 through D.1.7 no change

Response 2(b): Emission unit EU-06, Vapor Degreaser #352.001 was already removed from Section A.2, see Administrative Amendment 043-15575, issued on February 28, 2002.

Response 2(c): The three (3) boilers referenced in Item (1) of Section A.3 will be deleted. Section D.4 will be totally deleted. Change is as follows:

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

~~(1) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour.~~

~~(a) Three (3) identical natural gas fired boilers, identified as EU02, EU03 and EU04, respectively, each rated at 3.92 mmBtu per hour. EU02 and EU03 were constructed in November 1993 and EU04 was constructed in August 1994.~~

One (1) natural gas-fired emergency generator, with a maximum capacity of 67 Hp identified as GEN001.

2 through 10 no change

SECTION D.4 FACILITY OPERATION CONDITIONS INSIGNIFICANT ACTIVITIES

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

Three (3) identical natural gas-fired boilers, identified as EU02, EU03 and EU04, respectively, each rated at 3.92 mmBtu per hour. EU02 and EU03 were constructed in November 1993 and EU04 was constructed in August 1994.

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

~~D.4.1 Particulate Matter (PM) [326 IAC 6-2-4]~~

Pursuant to 326 IAC 6-2-4, particulate matter emissions from the three (3) identical boilers rated at 3.92 mmBtu/hr each, shall not exceed 0.5743 lb/mmBtu as determined by the following equation:

$$\frac{Pt}{Q^{0.26}} = 1.09$$

~~Where: Pt = Pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input.
 Q = Total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input. The maximum operating capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.~~

~~Compliance Determination Requirement~~

~~D.4.2 Testing Requirements [326 IAC 2-7-6(1)]~~

~~The Permittee is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required, compliance with the PM limit specified in Condition D.4.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.~~

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR MANAGEMENT
 COMPLIANCE DATA SECTION**

Part 70 Quarterly Report

Source Name: Hitachi Cable Indiana, Inc.
 Source Address: 5300 Grant Line Road, New Albany, Indiana 47150
 Mailing Address: 5300 Grant Line Road, New Albany, Indiana 47150
 Part 70 Permit No.: 043-6888-00023
 Facility: Glue Applicator Extruder #73.001, and Glue Applicator Extruder #73.002, and Glue Applicator High Pressure #73.003
 Parameter: VOC
 Limit: VOC output = less than 100 tons per year, rolled monthly*

Quarter: _____ YEAR: _____

Month	VOC input			VOC output		
	This Month	Previous 11 Months	12 Month Total	This Month	Previous 11 Months	12 Month Total
Month 1						
Month 2						

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
 Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

*Based on the following equation:

$VOC_{emissions} = \text{input VOC to Glue Applicator Extruder \#73.001, Glue Applicator Extruder \#73.002 and Glue Applicator High Pressure \#73.003} * (1-0.855)\% < 100 \text{ tpy}$

Response 3: Please, see the change made to Section A.3 in Response 2(c).

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 Aida De Guzman, at (800) 451-6027, press 0 and ask for extension (3-4972), or dial (317) 233-4972.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

APD

cc: File - Floyd County
U.S. EPA, Region V
Floyd County Health Department
Air Compliance Section Inspector - Ray Schick
Compliance Data Section
Administrative and Development

PART 70 OPERATING PERMIT OFFICE OF AIR QUALITY

**Hitachi Cable Indiana, Inc.
5300 Grant Line Road
New Albany, Indiana 47150**

(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.: T043-6888-00023	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Management	Issuance Date: April 22, 1999
Second Administrative Amendment 043-19198	Pages Affected: 1 thru 6, 30 thru 42 Pages Added: 33a
Issued by:Original signed by Paul Dubenetzky Paul Dubenetzky, Chief Permit Branch Office of Air Quality	Issuance Date: June 10, 2004

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Stratospheric Ozone Protection

- C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

D.1 FACILITY OPERATION CONDITIONS

Two (2) rubber cable coating booths, each with one (1) glue applicator, identified as Glue Applicator Extruder #73.001 and Glue Applicator Extruder #73.002

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D.2 FACILITY OPERATION CONDITIONS

Two (2) natural gas fired boilers, identified as Johnston Boiler #591.026 and Hurst Boiler

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

- D.2.1 Particulate Emissions Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

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Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

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Certification Form
Emergency/Deviation Form
Natural Gas Fired Boiler Certification
Quarterly Report Form
Quarterly Compliance Monitoring Form
Semi-Annual Compliance Monitoring Form

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 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permitted owns and operates a stationary operation for the extrusion, coating, forming, curing and assembly of fluid power hoses and fittings.

Responsible Official: Pat Houghlin
Source Address: 5300 Grant Line Road, New Albany, Indiana, 47150
Mailing Address: 5300 Grant Line Road, New Albany, Indiana, 47150
SIC Code: 3492, 3069
County Location: Floyd
County Status: Nonattainment for ozone
Source Status: Part 70 Permit Program
Minor Source, under Emission Offset Rules;
Major Source under Section 112

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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

- (1) Two (2) rubber cable coating booths, each with one (1) glue applicator, identified as Glue Applicator Extruder #73.001 and Glue Applicator Extruder #73.002 respectively, each with the maximum capacity to coat either 5316 feet of vacuum hose per hour or 3150 feet of TKS return hose per hour by flowcoating method, with one (1) flameless thermal oxidizer, identified as CE01 to control VOC emissions from both booths, exhausting to one (1) stack, identified as S/V01. (Constructed in 1996)
- (2) One (1) natural gas-fired boiler, identified as Johnston Boiler #591.026, rated at 16.74 mmBtu per hour, exhausting to one (1) stack identified as S/V05. (Constructed in 1996)
- (3) One (1) natural gas-fired boiler, identified as Hurst Boiler, with a maximum heat input capacity of 17.5 million British thermal units per hour (mmBtu/hr).

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (1) One (1) natural gas-fired emergency generator, with a maximum capacity of 67 Hp identified as GEN001.
- (2) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (3) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (4) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (5) Heat exchanger cleaning and repair.
- (6) Paved and unpaved roads and parking lots with public access.
- (7) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (8) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations.
- (9) Filter or coalescer media changeout.
- (10) Other activities or categories not previously identified:

Insignificant Thresholds:

Lead (Pb) = 0.6 ton/year or 3.29 lbs/day Carbon Monoxide (CO) = 25 lbs/day
Sulfur Dioxides (SO₂) = 5 lbs/hour or 25 lbs/day Particulate Matter (PM) = 5 lbs/hour or 25 lbs/day
Nitrogen Oxides (NOX) = 5 lbs/hour or 25 lbs/day Volatile Organic compounds (VOC) = 3 lbs/hr or 15lbs/day

- (a) Autoclaves
- (b) Brazing furnaces
- (c) Parts washer
- (d) Product code marking

SECTION D.1 FACILITY OPERATION CONDITIONS

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

Two (2) rubber cable coating booths, each with one (1) glue applicator, identified as Glue Applicator Extruder #73.001 and Glue Applicator Extruder #73.002 respectively, each with the maximum capacity to coat either 5316 feet of vacuum hose per hour or 3150 feet of TKS return hose per hour by flowcoating method, with one (1) flameless thermal oxidizer, identified as CE01 to control VOC emissions from both booths, exhausting to one (1) stack, identified as S/V01. (Constructed in 1996)

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

D.1.1 General Reduction Requirements for New Facilities [326 IAC 8-1-6]

Pursuant to CP No. 043-4741-00023, issued on December 20, 1995, and 326 IAC 8-1-6, the BACT shall be: the thermal oxidizer, CE01, shall be in operation at all times when the two (2) glue applicators of the two (2) rubber cable coating booths, Glue Applicator Extruder #73.001 and Glue Applicator Extruder #73.002, are in operation, and maintain a minimum 95% destruction efficiency and a minimum capture efficiency of 90%.

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-4(c)(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Glue Applicator Extruder #73.001 and Glue Applicator Extruder #73.002 and any control devices.

Compliance Determination Requirements

D.1.3 Testing Requirements [326 IAC 2-7-6(1)]

An initial stack test was performed on Glue Applicator Extruder #73.001 and Glue Applicator Extruder #73.002 as per CP No. 043-4741-00023, issued on December 20, 1995, operating condition 3. This test shall be repeated at least once before November 19, 2001 and repeated at least once every five (5) years from the date of this valid compliance demonstration. This test shall be performed according to 326 IAC 3-6 (Source Sampling Procedures) using the methods specified or other approved methods as approved by the Commissioner.

D.1.4 VOC Emissions

Compliance with Condition C.1 shall be demonstrated at the end of each month based on the total volatile organic compound usage for the most recent twelve (12) month period.

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

D.1.5 Monitoring

- (a) When operating, the thermal oxidizer, CE01, shall maintain a minimum operating temperature of 1,400°F in order to maintain a minimum 95% destruction efficiency and a minimum capture efficiency of 90%. After a compliance test has been performed as required by Condition D.1.3, the thermal oxidizer, CE01, shall maintain a minimum operating temperature of 1,400°F and a fan amperage or duct velocity as determined in the compliance test.
- (b) Compliance with the minimum temperature will be monitored by computer collected data generated continuously, and will be made available to IDEM upon request. The temperature will be averaged over 60 minute periods to determine compliance. If the average temperature for any 60 minute period is less than the established minimum temperature, this will be considered noncompliance.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.6 Record Keeping Requirements

- (a) To document compliance with Conditions C.1 and D.1.1, the Permitted shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be complete and sufficient to establish compliance with Conditions C.1 and D.1.1.
 - (1) Continuous or intermittent temperature readings. Upon completion of the next Compliance Determination Test, as required in D.1.3, continuous or intermittent fan amperage or duct velocity readings in addition to the temperature readings.
 - (2) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
 - (3) A log of the dates of use;
 - (4) The cleanup solvent usage for each month;

- (5) The total VOC usage for each month; and
 - (6) The weight of VOCs emitted for each compliance period.
- (b) Record of all malfunctions (any sudden unavoidable failure of the thermal oxidizer, CE01) which result in violations of the Office of Air Quality rules shall be kept for a period of three (3) years and made available to OAQ upon request. When a malfunction resulting in a limit or parameter deviation occurs that lasts in excess of one (1) hour, notification of the condition shall be made to OAQ no later than four (4) daytime business hours after the occurrence.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.7 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions C.1 and D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.

SECTION D.2 FACILITY OPERATION CONDITIONS

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

- (2) One (1) natural gas-fired boiler, identified as Johnston Boiler #591.026, rated at 16.74 mmBtu per hour, exhausting to one (1) stack identified as S/V05. (Constructed in 1996)
- (3) One (1) natural gas-fired boiler, identified as Hurst Boiler, with a maximum heat input capacity of 17.5 million British thermal units per hour (mmBtu/hr).

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

D.2.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

- (a) Pursuant to 326 IAC 6-2-4, particulate matter emissions from Johnston Boiler #591.026 shall not exceed 0.4562 lb/mmBtu.
- (b) Pursuant to 326 IAC 6-2-4, particulate matter emissions from the Hurst Boiler shall not exceed 0.42 lb/mmBtu.
- (c) Particulate Matter emission limits in (a) and (b) of this condition shall be determined using the following equation:

Where: Pt = Pounds of particulate matter emitted per million Btu (lb/MMBTU) heat input.

Q = Total source maximum operating capacity rating in million Btu per hour (MMBTU/hr) heat input. The maximum operating capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

Compliance Determination Requirements

D.2.2 Testing Requirements [326 IAC 2-7-6(1)]

The Permitted is not required to test this facility by this permit. However, IDEM may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required, compliance with the PM limit specified in Condition D.2.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.3 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permitted shall maintain records in accordance with 326 IAC 12 (40 CFR 60.48c (g)). The owner or operator of Johnston Boiler #591.026 and the Hurst Boiler shall record and maintain records of the amounts of each fuel combusted during each day.
- (b) Pursuant to section (a) of § 60.48, the Permitted shall submit notification of the date of construction, anticipated startup and actual startup of the Hurst Boiler as provided by § 60.7 of this NSPS. The notification shall include:
 - (1) The design heat input capacity of the Hurst Boiler and identification of the fuel to be combusted, and
 - (2) The annual capacity factor at which the Permitted anticipates operating the Hurst Boiler based on fuel fired.

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

D.2.4 Natural Gas Fired Boiler Certification

An annual certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the Natural Gas Fired Boiler Certification form located at the end of this permit, or its equivalent, no later than April 15 of each year.

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Office of Air Quality COMPLIANCE DATA SECTION

Part 70 Quarterly Report

Source Name: Hitachi Cable Indiana, Inc.
 Source Address: 5300 Grant Line Road, New Albany, Indiana 47150
 Mailing Address: 5300 Grant Line Road, New Albany, Indiana 47150
 Part 70 Permit No.: 043-6888-00023
 Facility: Glue Applicator Extruder #73.001, and Glue Applicator Extruder #73.002,
 Parameter: VOC
 Limit: VOC output = less than 100 tons per year, rolled monthly*

YEAR: _____

Month	VOC input			VOC output		
	This Month	Previous 11 Months	12 Month Total	This Month	Previous 11 Months	12 Month Total
Month 1						
Month 2						
Month 3						

- 9 No deviation occurred in this quarter.
- 9 Deviation/s occurred in this quarter.
 Deviation has been reported on: _____

Submitted by: _____
 Title / Position: _____
 Signature: _____
 Date: _____
 Phone: _____

*Based on the following equation:

$$VOC_{emissions} = \text{input VOC to Glue Applicator Extruder \#73.001, Glue Applicator Extruder \#73.002} * (1 - 0.855)\% < 100 \text{ tpy}$$

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Small Industrial Boiler**

Company Name: Hitachi Cable Indiana, Inc.
Address City IN Zip: 5300 Grant Line Road, New Albany, IN 47150
Administrative Amendment No.: 043-19198
Pit ID: 043-00023
Reviewer: Aida De Guzman
Date Application Received: 17-May-04

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

17.5
Hurst Boiler

153.3

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.1	0.6	0.0	7.7	0.4	6.4

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

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) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See page 2 for HAPs emissions calculations.

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MM BTU/HR <100
 Small Industrial Boiler
 HAPs Emissions**

Company Name: Hitachi Cable Indiana, Inc.
Address City IN Zip: 5300 Grant Line Road, New Albany, IN 47150
Permit Number: 043-19198
Pit ID: 043-00023
Reviewer: Aida De Guzman
Date: 17-May-04

**17.5 mmBtu/hr
 Hurst Boiler**

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	1.610E-04	9.198E-05	5.749E-03	1.380E-01	2.606E-04

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	3.833E-05	8.432E-05	1.073E-04	2.913E-05	1.610E-04

Methodology is the same as page 1.

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.