



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: May 7, 2009

RE: Carpenter Co. / 039-27353-00086

FROM: Matthew Stuckey, Branch 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, Suite N 501E, 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.dot12/3/07



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Mr. Jay Miller
Carpenter Co.
195 County Road 15 South
Elkhart, IN 46516

May 7, 2009

Re: 039-27353-00086
Administrative Amendment to
Part 70 Renewal No.: T039-17988-00086

Dear Mr. Miller:

Carpenter Co. was issued a Part 70 Operating Permit Renewal on February 28, 2008 for a polyurethane foam production source. A letter requesting changes to this permit was received on January 9, 2009. Pursuant to the provisions of 326 IAC 2-7-11(a)(7), an administrative amendment to this permit is hereby approved as described in the attached Technical Support Document.

The amendment consists of using methylene diphenyl diisocyanate (MDI) at the foam pouring line (EU-01A/B) and revising the MDI PTE of loop slitting process (EU-02B).

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire Part 70 Operating Permit as amended has been provided with this letter.

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 Mehul Sura, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Mehul Sura or extension (3-6868), or dial (317) 233-6868.

Sincerely,

Chrystal A. Wagner, Section Chief
Permits Branch
Office of Air Quality

Attachments:
Updated Permit
Technical Support Document

mns

cc: File – Elkhart County
Elkhart Health Department
U.S. EPA, Region V
Northern Regional Office
Compliance and Enforcement Managers
Compliance Data Section
Permits Administration and Development

Elizabeth J. Hill
Bruce Carter Associates, L.L.C.
616 S. 4th Street
Elkhart, IN 46516



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Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

**Carpenter Co.
195 County Road 15 South
Elkhart, Indiana 46516**

(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.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

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 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 039-17988-00086	
Issued by: <i>Original document signed by</i> Matthew Stuckey, Deputy Branch Chief Permits Branch Office of Air Quality	Issuance Date: February 28, 2008 Expiration Date: February 28, 2013
First Administrative Amendment No.: 039-26646-00086, issued on June 20, 2008 Second Administrative Amendment No.: 039-27308-00086, issued on January 16, 2009 Third Administrative Amendment No.: 039-27353-00086	
Issued by:  Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: May 7, 2009 Expiration Date: February 28, 2013

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SECTION A

SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a polyurethane foam production source.

Source Address:	195 County Road 15 South, Elkhart, Indiana 46516
Mailing Address:	P.O. Box 2386, Elkhart, Indiana 46515
General Source Phone Number:	574 - 522 - 2800
SIC Code:	3086, 2899, 2297
County Location:	Elkhart
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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:

- (a) One (1) foam pouring line, identified as EU-01A/B, constructed in 1982, consisting of a mixer, tunnel, foam block cut, and slab room, exhausting through Vents 14, 15 and 16 and Vents b through i, capacity: 60,000 pounds of foam per hour using TDI or MDI.
- (b) Four (4) loop slitting process lines, identified as EU-02B, constructed in 1998, including three (3) adhesive stations used to coat polyurethane foam, equipped with high volume low pressure (HVLP) spray applicators and exhausting to Stacks 22 and 22a, capacity: 0.148 gallons of adhesive per set-up with a maximum set-up rate of 30 set-ups per 8 hours, total. This process also includes two (2) ink stamping lines, identified as EU-6.1 and EU-6.2, installed in 2005.
- (c) One (1) natural gas-fired boiler, identified as EU-03, constructed in 1992, exhausting to Stack V6, rated at 12.55 million British thermal units per hour.
- (d) One (1) bonded foam line, identified as EU-04, constructed in 1990 and modified in 2000, exhausting to Stacks S17 and S18, capacity: 25,000 pounds per hour, consisting of the following equipment:
 - (1) One (1) foam shredding operation;
 - (2) One (1) pneumatic conveyer system;
 - (3) Various storage bins;
 - (4) One (1) foam dry mixer;
 - (5) One (1) wet mixer;
 - (6) One (1) molding unit; and

- (7) Various storage operations.
- (e) Two (2) closed mold polyurethane foam turnstile production operations, identified as EU-5.1 and EU-5.2, constructed in March 1998, equipped with a total of two (2) robotic high volume low pressure (HVLP) spray applicators, exhausting to Vents V27, V28, V29, V34 and V35, capacity:
- (1) EU-5.1 and EU-5.2 with solvent based mold release: 37.0 pounds of release agent per hour, 808.30 pounds of Isocyanate and 1,550 pounds of polyols per hour.
 - (2) EU-5.1 with water based mold release: 9.8 pounds of release agent per hour, 216 units per hour.
- (f) The following tanks are grouped into four (4) general categories - Primary Pour Tanks (EU-01), Rebond Tanks, Chemical Blending Tanks, and Mold Tanks (EU-05):

Primary Pour Tanks EU-01

Fixed Roof Cone Storage Tanks	Storage Capacity (gallons)	Diameter (feet)	Height (feet)	Vapor MW	Containing	VP (mmHg)	Annual throughput (gallons)
P1	12,500	10.5	19.5	1,000	POLYOL	0.00	200,000
P2	12,500	10.5	19.5	3,000	POLYOL	0.00	200,000
P3	12,500	10.5	19.5	3,500	POLYOL	0.00	800,000
P4	12,500	10.5	19.5	102	PROPYLENE CARBONATE	0.00	800,000
P5*CA	12,500	10.5	19.5	174	ISO	0.010	550,000
P6*CA	12,500	10.5	19.5	360	MDI	0.00	800,000
P7*CV	12,500	10.5	19.5	6000	PrePoly	0.00	250,000
P8	4,890	8.00	15.0	174	ISO PP	0.010	500,000
P9	12,500	10.5	19.5	3,000	POLYOL	0.00	200,000
P10	12,500	10.5	19.5	5,000	POLYOL	0.00	115,000
P11	12,500	10.5	19.5	6,500	POLYOL	0.00	150,000
P12	12,500	10.5	19.5	6,500	POLYOL	0.00	150,000
P13	11,500	10.5	18.0	410	FR	N/A	120,000
P14	12,000	10.5	18.0	410	FR	0.020	200,000
P15	12,000	10.5	18.0	6,500	POLYOL	0.00	150,000
P16	12,000	10.5	18.0	5,000	POLYOL	0.00	100,000
P17	12,000	10.5	18.0	5,000	POLYOL	0.00	115,000
P18	12,000	10.5	18.0	3,000	POLYOL	0.00	200,000
P19***	12,000	10.5	18.0	174	ISO PP	0.010	700,000
P20	12,000	10.5	18.0	6000	PrePoly	0.00	250,000
P21*CA	12,000	10.5	18.0	174	ISO	0.010	550,000
P22*CA	12,000	10.5	18.0	174	ISO	0.010	550,000
P23	12,000	10.5	18.0	3,500	POLYOL	0.00	800,000
P24	12,000	10.5	18.0	3,500	POLYOL	0.00	800,000
P25	12,000	10.5	18.0	3,500	POLYOL	0.00	800,000
P26	12,000	10.5	18.0	3,500	POLYOL	0.00	800,000
P26A	3,000	8.00	8.00	3,500	POLYOL	0.00	200,000
P27	50,000	24	16	174	ISO	0.010	Pending
P28	50,000	24	16	174	ISO	0.010	Pending
P29	50,000	24	16	174	ISO	0.010	Pending
P30	50,000	24	16	174	ISO	0.010	Pending

Notes: * Emission Control Device: conservation vents (CV), Nitrogen Blanket (N2) or Carbon Adsorption bed filters (CA)
** Closed System

Rebond Tank

Fixed Roof Cone Storage Tank	Storage Capacity (gallons)	Diameter (feet)	Height (feet)	Vapor MW	Containing	VP (mmHg)	Annual Throughput gallons
R2***	4,000	8.00	10.0	174	ISO-PP	0.010	700,000***

Notes: * Emission control device, CV, N2, or CA
 ** Closed System
 ISO-PP - Isocyanate Prepolymer
 *** P19 and R2 cascade from one tank to the next for a TOTAL throughput of 700,000 gallons.

Chemical Blending Tanks

Fixed Roof Cone Storage Tanks	Storage Capacity (gallons)	Diameter (feet)	Height (feet)	Vapor MW	Containing	VP (mmHg)	Annual Throughput gallons
C1	11,500	8.00	30.5	5,000	POLYOL	0.00	20,000
C2	28,500	12.0	34.0	6,500	POLYOL	0.00	900,000
C3	11,500	8.00	30.5	285	FR	0.200	40,000
C4	11,500	8.00	30.5	410	FR	0.200	40,000
C5	11,500	8.00	30.5	N/A	EMPTY	N/A	0.00
C6	11,500	8.00	30.5	575	POLYOL	0.00	10,000
C7	11,500	8.00	30.5	575	POLYOL	0.00	10,000
C8	11,500	8.00	30.5	700	POLYOL	0.00	20,000
C9	11,500	8.00	30.5	700	POLYOL	0.00	100,000
C10	11,500	8.00	30.5	575	POLYOL	0.00	100,000
C11	28,500	12.0	34.0	360	POLYOL	0.00	150,000
C12	11,500	8.00	30.5	575	POLYOL	0.00	25,000
C13**	11,500	8.00	30.5	5,000	POLYOL	0.00	50,000
C14	11,500	8.00	30.5	5,000	POLYOL	0.00	50,000
C15	11,500	8.00	30.5	5,000	POLYOL	0.00	50,000
C16	11,500	8.00	30.5	575	POLYOL	0.00	100,000 gallons total for C16, C17 and C18 combined
C17	11,500	8.00	30.5	575	POLYOL	0.00	
C18	11,500	8.00	30.5	575	POLYOL	0.00	
C19	28,500	12.0	34.0	360	MDI	0.00	150,000
C20	11,500	8.00	30.5	5,000	POLYOL	0.00	80,000
C21	11,500	8.00	30.5	360	MDI	0.00	200,000
C22	11,500	8.00	30.5	360	MDI	0.00	400,000
C23 externally vented	11,500	8.00	30.5	174	ISO	0.010	120,000
C24	11,500	8.00	30.5	N/A	POLYOL	N/A	60,000
C25 externally vented	28,500	12.0	34.0	500	EXTENDER	0.100	800,000
C26	11,500	8.00	30.5	5,000	POLYOL	0.00	60,000
C27	11,500	8.00	30.5	3,000	POLYOL	0.00	130,000
C28	11,500	8.00	30.5	360	MDI	0.00	30,000
C29	11,500	8.00	30.5	174	A-PP	0.00	200,000
C30	11,500	8.00	30.5	538	BPOLYOL	0.00	470,000
C31	11,500	8.00	30.5	538	BPOLYOL	0.00	200,000
C32	11,500	8.00	30.5	174	A-PP	0.00	500,000
C33	11,500	8.00	30.5	174	A-PP	0.00	500,000
C34	11,500	8.00	30.5	538	BPOLYOL	0.00	500,000
C35	11,500	8.00	30.5	N/A	EMPTY	N/A	0.00
C36	11,500	8.00	30.5	538	BPOLYOL	0.00	500,000
C37	28,500	12.0	34.0	360	MDI	0.00	150,000
C38**	12,000	9.00	41.0	120.8	ABA	0.00	40,000

Notes: Forane(R) 134, a hydrofluorocarbon, is used as an aerosol propellant in the chemical blending operation.
 * Emission control device: conservation vent (CV), Nitrogen blanket (N2), or carbon adsorption bed filters (CA)
 ** Closed system

Mold Tanks EU-05

Fixed Roof Cone Storage Tanks	Storage Capacity (gallons)	Diameter (feet)	Height (feet)	Vapor MW	Containing	VP (mmHg)	Annual Throughput gallons
MLD1	8,200	10.0	14.0	195	ISO BLEND	0.010	131,549
MLD2	8,200	10.0	14.0	5,000	BPOLY	0.00	200,000
MLD3	8,200	10.0	14.0	5,000	BPOLY	0.00	100,000
MLD4	7,500	10.0	13.0	5,000	BPOLY	0.00	200,000

Notes: * Emission control device, CV, N2, or CA
** Closed System

TDI Storage Tanks

Fixed Roof Cone Storage Tanks	Storage Capacity (gallons)	Diameter (feet)	Height (feet)	Vapor MW	Containing	VP (mmHg)	Annual Throughput gallons
TDI Tank 1	50,000	24.0	16.0	N/A	TDI	0.010	700,000
TDI Tank 2	50,000	24.0	16.0	N/A	TDI	0.010	700,000
TDI Tank 3	50,000	24.0	16.0	N/A	TDI	0.010	700,000
TDI Tank 4	50,000	24.0	16.0	N/A	TDI	0.010	700,000

Notes: * Emission control device, CV, N2, or CA
** Closed System

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 which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour: One (1) boiler, identified as B1, constructed in 1982, exhausting to Stack V5, rated at 8.36 million British thermal units per hour. [326 IAC 6-2-3]
- (b) The following activities with potential uncontrolled particulate emissions less than five (5) pounds per hour or twenty-five (25) pounds per day: One (1) Non-Woven Fiber Line, identified as IS-3, constructed in 2003, equipped with dry filters for particulate control, capacity: 2,500 pounds of fibers per hour. [326 IAC 6-3-2]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 Permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5] [326 IAC 2-7-4(a)(1)(D)] [IC 13-15-3-6(a)]

- (a) This permit, T 039-17988-00086, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) The "responsible official" is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report 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 annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as

defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ and Northern Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or

Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865
Northern Regional Office phone: 574-245-4870; fax: 574-245-4877

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

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

and

Northern Regional Office
300 N. Michigan Street, Ste 450
South Bend, Indiana 46601-1253

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5] [326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T 039-17988-00086 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

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

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-

7-2 or if IDEM, OAQ determines any of the following:

- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) 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) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12] [40 CFR 72]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1 (34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11 (c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]
[326 IAC 2-7-12 (b)(2)]

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-3-2]

- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-3-2.

B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-30-3-1] [IC 13-17-3-2]

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 Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)] [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230

(ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

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

C.2 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.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

C.5 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.6 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 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least seventy-five hundredths (0.75) cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

C.8 Performance Testing [326 IAC 3-6]

- (a) 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

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

within ninety (90) days after the date of issuance of this permit.

The ERP does require the certification by the "responsible official" as defined by 326 IAC 2-7-1 (34).

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect,

the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
 - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The emission statement 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.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
- (c) If there is a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) affecting an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with the following:
 - (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
 - (A) A description of the project.
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
 - (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-3]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each devia-

tion, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

- (c) 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.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) If the Permittee is required to comply with the record keeping provisions of (c) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C - General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq)), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C - General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee deems fit to include in this report.

Reports required in this part shall be submitted to:

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

- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Polyurethane Foam Operations

- (a) One (1) foam pouring line, identified as EU-01A/B, constructed in 1982, consisting of a mixer, tunnel, foam block cut, and slab room, exhausting through Vents 14, 15 and 16 and Vents b through i, capacity: 60,000 pounds of foam per hour using TDI or MDI.
- (b) Four (4) loop slitting process lines, identified as EU-02B, constructed in 1998, including three (3) adhesive stations used to coat polyurethane foam, equipped with high volume low pressure (HVLP) spray applicators and exhausting to Stacks 22 and 22a, capacity: 0.148 gallons of adhesive per set-up with a maximum set-up rate of 30 set-ups per 8 hours, total. This process also includes two (2) ink stamping lines, identified as EU-6.1 and EU-6.2, installed in 2005.

(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 2-7-5(1)]

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

Pursuant to SPM 039-17958-00086, issued on April 12, 2004, and 326 IAC 8-1-6 (New facilities; General reduction requirements), BACT for the one (1) foam pouring line, identified as EU-01A/B, has been determined to be:

- (a) The total VOC emissions from the one (1) foam pouring line shall be limited to less than 38.6 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (b) The continued development of non-emitting amine catalysts for replacement of existing emitting catalysts where feasible.
- (c) The listed work practice as follows:

Storage containers used to store VOC and/or HAP containing materials shall be kept covered when not in use.

Compliance Determination Requirements

D.1.2 Volatile Organic Compounds (VOC)

- (a) Compliance with the VOC emission limitation contained in Condition D.1.1(a) shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.
- (b) To comply with Condition D.1.1, the VOC limitation is determined by the following equation:

$$\text{VOC Emissions (tons/year)} = (\text{Catalyst Usage (tons)} \times \text{Flash Off (\%)}) + (\text{TDI Usage (tons)} \times \text{Flash Off (\%)}) + (\text{MDI Usage (tons)} \times \text{Flash Off (\%)})$$

Where: The flash off shall not exceed seventy (70) percent for the catalyst usage in the foam pouring line, identified as EU-01A/B.

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

D.1.3 Record Keeping Requirements

- (a) To document compliance with Condition D.1.1(a), the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC emission limit established in Condition D.1.1(a). Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.
- (1) The amount of raw material used on a monthly basis. Records shall include inline flow meter readings of raw material usages and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (2) The total VOC usage for each month; and
 - (3) The weight of VOC emitted for each compliance period.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.4 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1(a) 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. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Boiler EU-03

- (c) One (1) natural gas-fired boiler, identified as EU-03, constructed in 1992, exhausting to Stack V6, rated at 12.55 million British thermal units per hour.

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

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

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

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(d)), the particulate emissions from EU-03 shall not exceed 0.494 pounds per million British thermal units heat input (lb/MMBtu). This limitation was calculated using the following equation:

$$Pt = 1.09/Q^{0.26}$$

where:

Pt = Pounds of particulate emitted per million British thermal units (lb/mmBtu) heat input

Q = Total source maximum operating capacity rating in million British thermal units per hour (mmBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum 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.

For this unit, Q = 20.91 million British thermal units per hour.

SECTION D.3

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Polyurethane Foam Operations

- (d) One (1) bonded foam line, identified as EU-04, constructed in 1990 and modified in 2000, exhausting to Stacks S17 and S18, capacity: 25,000 pounds per hour, consisting of the following equipment:
- (1) One (1) foam shredding operation;
 - (2) One (1) pneumatic conveyer system;
 - (3) Various storage bins;
 - (4) One (1) foam dry mixer;
 - (5) One (1) wet mixer;
 - (6) One (1) molding unit; and
 - (7) Various storage operations.
- (e) Two (2) closed mold polyurethane foam turnstile production operations, identified as EU-5.1 and EU-5.2, constructed in March 1998, equipped with a total of two (2) robotic high volume low pressure (HVLP) spray applicators, exhausting to Vents V27, V28, V29, V34 and V35, capacity:
- (1) EU-5.1 and EU-5.2 with solvent based mold release: 37.0 pounds of release agent per hour, 808.30 pounds of Isocyanate and 1,550 pounds of polyols per hour.
 - (2) EU-5.1 with water based mold release: 9.8 pounds of release agent per hour, 216 units per hour.

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

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

D.3.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate emission rate from the one (1) bonded foam line, identified as EU-04, shall not exceed 22.27 pounds per hour when operating at a process weight rate of 25,000 pounds per hour.

The pounds per hour limitation was calculated with the following equation:

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

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

D.3.2 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

Pursuant to T 039-6059-00086, issued on June 11, 1999, and 326 IAC 8-1-6 (New facilities; General reduction requirements), BACT for the foam turnstile production operations, identified as EU-5.1 and EU-5.2, has been determined to be as follows:

- (a) High volume low pressure (HVLP) spray application shall be used at all times when the two

(2) closed mold polyurethane turnstile production units identified as EU-5.1 and EU-5.2 are in operation.

High volume low pressure (HVLP) spray means technology used to apply coating to a substrate by means of coating application equipment which operates between one-tenth (0.1) and ten (10) pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and at the air horns of the spray system.

- (b) The weight percentage solid content and maximum usage of mold release at the two (2) closed polyurethane turnstile production units identified as EU-5.1 and EU-5.2, with a combined maximum capacity of 400 units per hour, shall be no less than 7% and no more than 0.003 gallons per unit when using solvent based mold release agents. This shall be equivalent to or less than a total of 65.0 tons of VOC per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance Determination Requirements

D.3.3 Volatile Organic Compounds (VOC)

Compliance with the content and usage limitations contained in Condition D.3.2(b) shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

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

D.3.4 Record Keeping Requirements

- (a) To document compliance with Condition D.3.2(b), the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be complete and sufficient to establish compliance with the content and usage limits established in Condition D.3.2(b).
- (1) The weight percentage solid content of each mold release agent used.
- (2) The amount of mold release agent used on a monthly basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.3.5 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.3.2(b) 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. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.4

FACILITY OPERATION CONDITIONS

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour: One (1) boiler, identified as B1, constructed in 1982, exhausting to Stack V5, rated at 8.36 million British thermal units per hour. [326 IAC 6-2-3]
- (b) The following activities with potential uncontrolled particulate emissions less than five (5) pounds per hour or twenty-five (25) pounds per day: One (1) Non-Woven Fiber Line, identified as IS-3, constructed in 2003, equipped with dry filters for particulate control, capacity: 2,500 pounds of fibers per hour. [326 IAC 6-3-2]

(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 2-7-5(1)]

D.4.1 Particulate [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3(d) (Particulate Emission Limitations for Sources of Indirect Heating: emission limitations for facilities specified in 326 IAC 6-2-1 (b)), particulate emissions from boiler B1 shall not exceed eight-tenths (0.8) pounds of particulate matter per million British thermal units heat input.

D.4.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 the particulate emission rate from the insignificant Non-Woven Fiber Line, identified as IS-3, shall not exceed 4.76 pounds per hour when operating at a process weight rate of 2,500 pounds per hour.

The pounds per hour limitation was calculated with the following equation:

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

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

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

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Carpenter Co.
Source Address: 195 County Road 15 South, Elkhart, Indiana 46516
Mailing Address: P.O. Box 2386, Elkhart, Indiana 46515
Part 70 Permit No.: T 039-17988-00086

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify) _____
- Report (specify) _____
- Notification (specify) _____
- Affidavit (specify) _____
- Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH, OFFICE OF AIR QUALITY
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Carpenter Co.
Source Address: 195 County Road 15 South, Elkhart, Indiana 46516
Mailing Address: P.O. Box 2386, Elkhart, Indiana 46515
Part 70 Permit No.: T 039-17988-00086

This form consists of 2 pages

Page 1 of 2

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
 - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

A certification is not required for this report.

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

Part 70 Quarterly Report

Source Name: Carpenter Co.
Source Address: 195 County Road 15 South, Elkhart, Indiana 46516
Mailing Address: P.O. Box 2386, Elkhart, Indiana 46515
Part 70 Permit No.: T 039-17988-00086
Facility: EU-01A/B
Parameter: VOC Emissions
Limit: Less than 38.6 tons per twelve (12) consecutive month period, with compliance determined at the end of each month based on the following equation:

$$\text{VOC Emissions (tons)} = (\text{Catalyst Usage (tons)} \times \text{Flash Off (\%)}) + (\text{TDI Usage (tons)} \times \text{Flash Off (\%)}) + (\text{MDI Usage (tons)} \times \text{Flash Off (\%)})$$

QUARTER: _____ YEAR: _____

Month	VOC Emissions (tons)	VOC Emissions (tons)	VOC Emissions (tons)
	This Month	Previous 11 Months	12 Month Total

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

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

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Carpenter Co.
Source Address: 195 County Road 15 South, Elkhart, Indiana 46516
Mailing Address: P.O. Box 2386, Elkhart, Indiana 46515
Part 70 Permit No.: T 039-17988-00086
Facility: EU-5.1 and EU-5.2
Parameter: VOC Emissions
Limit: Less than a total of 65.0 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: _____ YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

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

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

Attach a signed certification to complete this report.

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

**PART 70 OPERATING PERMIT
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Carpenter Co.
 Source Address: 195 County Road 15 South, Elkhart, Indiana 46516
 Mailing Address: P.O. Box 2386, Elkhart, Indiana 46515
 Part 70 Permit No.: T 039-17988-00086

Months: _____ **to** _____ **Year:** _____

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for a
Part 70 Administrative Amendment

Source Description and Location

Source Name:	Carpenter Co.
Source Location:	195 County Road 15 South, Elkhart, IN 46516
County:	Elkhart
SIC Code:	2297, 2899 and 3086
Operation Permit No.:	T039-17988-00086
Operation Permit Issuance Date:	February 28, 2008
Administrative Amendment No.:	039-27353-00086
Permit Reviewer:	Mehul Sura

Existing Approvals

The source was issued Part 70 Operating Permit Renewal No. 039-17988-00086 on February 28, 2008. The source has since received the following approvals:

Permit Type	Permit Number	Issuance Date
Administrative Amendment	039-26646-00086	June 20, 2008
Administrative Amendment	039-27308-00086	January 16, 2009

County Attainment Status

The source is located in Elkhart County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective July 19, 2007, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.

¹Attainment effective October 18, 2000, for the 1-hour ozone standard for the South Bend-Elkhart area, including Elkhart County, and is a maintenance area for the 1-hour National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005.
Unclassifiable or attainment effective April 5, 2005, for PM2.5.

(a) Ozone Standards

- (1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.
- (2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, and St. Joseph counties as attainment for the 8-hour ozone standard.

- (3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, and Shelby counties as attainment for the 8-hour ozone standard.
 - (4) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Elkhart County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM2.5**
Elkhart County has been classified as attainment for PM2.5. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM2.5 emissions. These rules became effective on July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM10 emissions as a surrogate for PM2.5 emissions until 326 IAC 2-2 is revised.
- (c) **Other Criteria Pollutants**
Elkhart County has been classified as attainment or unclassifiable in Indiana for all other pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) **Fugitive Emissions**
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

Source Status

The table below summarizes the potential to emit HAPs for the entire source, prior to this administrative amendment, after consideration of all enforceable limits established in the effective permits:

HAPs	Potential To Emit (ton/yr)
single HAP	less than 10
Total HAP	less than 25

This existing source is not a major source of HAPs, as defined in 40 CFR 63.2, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Changes

The Office of Air Quality (OAQ) has reviewed an administrative amendment application, submitted by Carpenter Co. on January 9, 2009, relating to the use of methylene diphenyl diisocyanate (MDI) at the foam pouring line (EU-01A/B) and to revise the MDI PTE of loop slitting process (EU-02B).

IDEM has approved the administrative amendment requests. The details are as follows:

- (a) **MDI PTE of foam pouring line (EU-01A/B) due to usage of MDI:**

Based on Ideal gas law, the MDI PTE of EU-01A/B would not be more than TDI PTE (which is 2.98 tons per year in the existing part 70 operating permit), if TDI is replaced by MDI. This is demonstrated as follows:

There are no particulate emissions from EU-01A/B. Therefore we can conclude that there is no liquid phase (in the form of condensed TDI or MDI) of MDI or TDI in the exhaust air from EU-01A/B. The TDI and MDI, emitted from EU-01A/B, would be solely in superheated gaseous phase. Therefore, the ideal gas law can be applied for exhaust air containing TDI or MDI emitted from EU-01A/B.

For ideal gas law, $PV = (m/MW) R^* T$

Where,

P = vapor pressure of TDI/MDI at a given temperature,

V = control volume for a given region in vent,

m = mass of TDI/MDI,

T = absolute temperature of exhaust gas

R* = the universal gas constant

MW = molecular weight of TDI/MDI

TDI

For a given control volume in vent,

$$P_{(TDI)} V_{(TDI)} = (m_{(TDI)} / MW_{(TDI)}) R^* T_{(TDI)}$$
$$V_{(TDI)} / (T_{(TDI)} R^*) = (m_{(TDI)} / MW_{(TDI)}) / P_{(TDI)} \dots\dots\dots \text{(Equation 1)}$$

MDI

For a given control volume in vent,

$$P_{(MDI)} V_{(MDI)} = (m_{(MDI)} / MW_{(MDI)}) R^* T$$
$$V_{(MDI)} / (T_{(MDI)} R^*) = (m_{(MDI)} / MW_{(MDI)}) / P_{(MDI)} \dots\dots\dots \text{(Equation 2)}$$

For a given control volume in vent,

$$V_{(TDI)} = V_{(MDI)} \dots\dots\dots \text{(Equation 3)}$$

$$T_{(TDI)} = T_{(MDI)} \dots\dots\dots \text{(Equation 4)}$$

From equation 1, 2, 3 and 4

$$(m_{(TDI)} / MW_{(TDI)}) / P_{(TDI)} = (m_{(MDI)} / MW_{(MDI)}) / P_{(MDI)}$$

$$MW_{(TDI)} = 174.15 \text{ g/mol.}$$

$$MW_{(MDI)} = 250.3 \text{ g/mol.}$$

$$(m_{(TDI)} / 174.15) / P_{(TDI)} = (m_{(MDI)} / 250.3) / P_{(MDI)}$$

For 300 degree Fahrenheit vent exhaust gas temperature,

$$P_{(TDI)} = 3232 \text{ mm of Hg}$$

$$P_{(MDI)} = 7.1 \text{ mm of Hg}$$

$$(m_{(TDI)} / m_{(MDI)}) = (174.15 / 250.3) (P_{(TDI)} / P_{(MDI)})$$
$$= (174.15 / 250.3) (3232 / 7.1)$$
$$= 316.72 \text{ (this value is greater than 1)}$$

The above result indicates that for a given exhaust gas parameter (temperature and air flow rate) the ratio of mass flow rate of TDI over the mass flow rate of MDI would always be greater than 1. Therefore, we can conclude that MDI emissions from EU-01A/B would not be greater than TDI emissions from EU-01A/B, if TDI is replaced by MDI.

The purpose of the above analysis is to demonstrate that the MDI PTE of EU-01A/B would not be greater than the TDI PTE of EU-01A/B. As a conservative approach, the MDI PTE of EU-01A/B will be considered equal to the TDI PTE (which is 2.98 tons per year) of EU-01A/B for permitting purposes.

(b) Revise the MDI PTE of loop slitting process (EU-02B):

The MDI PTE of EU-02B in the existing permit was calculated by Carpenter Co. based on an assumption that all MDI which is applied during loop slitting process at EU-02B is evaporated into the atmosphere. Carpenter Co. has submitted a revised calculation for MDI PTE of EU-02B based on "MDI/Polymeric MDI Emissions Reporting Guidelines For the Polyurethane Industry". The revised PTE is less than 0.487 tons per year. The calculation details of the revised PTE is not revealed in the following calculations because the information on airflow, exposed surface area in M², and "tack-free" time used in the following formula are claimed as confidential by Carpenter Co.

$$W = 25.4 VP_{MDI} (Mw / T_{proc}) (u)^{0.78} SA (t_{TF})$$

Where:

W = the evaporation losses from the open process in gr/day.

VP_{MDI} = the vapor pressure of MDI in atmospheres at a given process temperature.

T_{proc} = the process temperature in °K.

Mw = the molecular weight of MDI

u = the airflow speed in m/sec.

SA = the exposed surface area in M².

t_{TF} = the "tack-free" time in seconds.

The following table shows the revised source-wide single HAP (MDI) PTE and combined HAPs PTE due to this administrative amendment. MDI PTE of emission units other than EU-01A/B and EU-02B and TDI PTE of all the existing emission units have not changed due to this administrative amendment.

Emission Unit ID	MDI PTE (TPY)	TDI PTE (TPY)	Worst Case HAP (TPY)
EU-01A/B	2.98	2.98	2.98
EU-02B	0.487	0	0.487
EU-03	0	0	0.104
EU-6.1 and EU-6.2	0	0	0.149
EU-04	5.05	5.05	5.05
EU-5.1 and EU-5.1	0.0002	0.0870	0.088
All ISO Storage Tanks	0.0017	0.0017	0.0017
Boiler B1	0	0	0.069
Natural Gas Combustion	0	0	0.078
source-wide PTE of HAPs after administrative amendment	8.52 (worst single HAP)	8.1187	9 (combined HAPs)
source-wide PTE of HAPs before administrative amendment *	9.92 (worst single HAP)	8.1187	13.39 (combined HAPs)

* The source-wide PTE of HAPs before administrative amendment is based on Part 70 Operating Permit Renewal No. 039-17988-00086 issued on February 28, 2008.

The above table indicates that source-wide single HAP and combined HAPs PTE are not increased due to this administrative amendment. Therefore, the source is still an area source under NESHAP.

Carpenter Co. has also submitted with this administrative amendment application a report of testing, conducted by Carpenter Co. to determine the MDI emission rate from the existing loop slitting process lines (EU-02B). IDEM has not yet made determination for the validity of this test report. The following listed items were not included in the test report: reference method, number of test runs conducted, calibration data, etc. In addition, a test protocol for this testing was not submitted to IDEM for review before the test was conducted.

Enforcement Issues

There are no pending enforcement actions related to this administrative amendment.

Permit Level Determination – Part 70

There is no increase of potential to emit of any pollutant due to this administrative amendment. The changes in the permit due to this approval is considered as an administrative amendment as pursuant to 326 IAC 2-7-11(a)(7), because the changes include revising descriptive information of an emission unit (EU-01A/B), and the revision to the description does not trigger any new applicable requirement or violate a permit term.

Permit Level Determination – PSD or Emission Offset

This administrative amendment does not cause any emissions increase of regulated NSR (New Source Review) pollutants. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS):

There are no NSPS (326 IAC 12 and 40 CFR Part 60) included in the permit due to this administrative amendment.

National Emission Standards for Hazardous Air Pollutants (NESHAP):

(a) **National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production and Fabrication Area Sources (40 CFR 63, Subpart OOOOOO)**

The source is subject to the requirements of this NESHAP because it is a polyurethane foam production source, and it is considered as an area source under NESHAP. The requirements of this NESHAP is currently being included through another pending permit modification approval No. 039-27852-00086.

(b) There are no other NESHAP included in the permit (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) due to this administrative amendment.

State Rule Applicability Determination

There are no new state rules that are applicable due to this administrative amendment.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

Compliance determination requirement applicable due to this administrative amendment is as follows:

The Permittee shall determine MDI (which is also a VOC) emissions from EU-01A/B using following equation:

$$\text{MDI Emissions (tons/year)} = (\text{MDI Usage (tons)}) \times \text{Flash Off (\%)}$$

The Flash Off (%) value for the above equation will be equal to the Flash Off (%) value of TDI permitted in the operating permit.

The above compliance determination condition is necessary to determine compliance with VOC BACT limit (Condition D.1.1) in the permit.

Although determining MDI (which is also a VOC) emissions has been added through this administrative amendment, this requirement is not considered as a new applicable requirement. The requirement to determine VOC emissions from the EU-01A/B had already been included through the previous approvals. This is a change to a compliance determination method only.

There are no new compliance monitoring requirements applicable to this administrative amendment.

Changes to the permit

The changes listed below have been made to Part 70 Operating Permit Renewal No. 039-17988-00086. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

- (a) The Northern Regional Office (NRO) address has been updated.
- (b) Several of IDEM's Branches and sections have been renamed. Therefore, IDEM has updated the addresses listed in the permit. References to Permit Administration and Development Section and the Permits Branch have been changed to Permit Administration and Support Section. References to Asbestos Section, Compliance Data Section, Air Compliance Section, and Compliance Branch have been changed to Compliance and Enforcement Branch.
- (c) The permit amendment as described in 'Description of Changes' section of this TSD has been incorporated in the permit.

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:

- (a) One (1) foam pouring line, identified as EU-01A/B, constructed in 1982, consisting of a mixer, tunnel, foam block cut, and slab room, exhausting through Vents 14, 15 and 16 and Vents b through i, capacity: 60,000 pounds of foam per hour using TDI or MDI.

...

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Polyurethane Foam Operations

- (a) One (1) foam pouring line, identified as EU-01A/B, constructed in 1982, consisting of a mixer, tunnel, foam block cut, and slab room, exhausting through Vents 14, 15 and 16 and Vents b through i, capacity: 60,000 pounds of foam per hour using TDI or MDI.

...

...

D.1.2 Volatile Organic Compounds (VOC)

- (a) ...

- (b) To comply with Condition D.1.1, the VOC limitation is determined by the following equation:

$$\text{VOC Emissions (tons/year)} = (\text{Catalyst Usage (tons)} \times \text{Flash Off (\%)}) + (\text{TDI Usage (tons)} \times \text{Flash Off (\%)}) + (\text{MDI Usage (tons)} \times \text{Flash Off (\%)})$$

...

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

Part 70 Quarterly Report

Source Name: Carpenter Co.
Source Address: 195 County Road 15 South, Elkhart, Indiana 46516
Mailing Address: P.O. Box 2386, Elkhart, Indiana 46515
Part 70 Permit No.: T 039-17988-00086
Facility: EU-01A/B
Parameter: VOC Emissions
Limit: Less than 38.6 tons per twelve (12) consecutive month period, with compliance determined at the end of each month based on the following equation:

$$\text{VOC Emissions (tons)} = (\text{Catalyst Usage (tons)} \times \text{Flash Off (\%)}) + (\text{TDI Usage (tons)} \times \text{Flash Off (\%)}) + (\text{MDI Usage (tons)} \times \text{Flash Off (\%)})$$

...

Conclusion and Recommendation

This administrative amendment shall be subject to the conditions of the attached Part 70 Administrative Amendment No. 039-27353-00086. The staff recommend to the Commissioner that this Part 70 Administrative Amendment be approved.