INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: May 15, 2006

RE: Kimball International / 037-7356-00100

FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

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 IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).

For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

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:

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(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.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of an initial Title V operating permit, permit renewal, or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impractible to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

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
FNTVOP.dot 03/23/06

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204-2251
(317) 232-8603
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PART 70 OPERATING PERMIT
OFFICE OF AIR QUALITY

Kimball International, Inc. – 15th Street Contiguous Source
1620 Cherry Street & 1650 Cherry Street,
1180 East 16th Street,
1037 East 15th Street & 1450 Cherry Street,
1038 East 15th Street,
Northwest Corner of East 16th Street & Cherry Street,
Jasper, IN 47549

(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.: T037-7356-00100	
Issued by: Original Signed By: Nisha Sizemore Paul Dubenetzky, Assistant Commissioner Office of Air Quality	Issuance Date: May 15, 2006 Expiration Date: May 15, 2011

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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, A.3 and A.4 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 four (4) stationary manufacturing plants in a contiguous source relating to the operation of: (1) the laminating of hardwood veneers, softwood veneers and high pressure plastic laminates (HPL) onto particleboard and medium density fiberboard (MDF) products; (2) manufacturing medium and high end furniture, primarily for the lodging industry; (3) manufacturing high end wood office furniture and metal wall panels; and (4) assembly of printed circuits and electronic devices.

Responsible Officials:	flexcel – Jasper Cherry Street: General Manager	
	flexcel – Jasper 16th Street: General Manager	
	flexcel – Jasper 15th Street: General Manager	
	Kimball Electronics, Inc.: General Manager	
Source Address:	1620 Cherry Street & 1650 Cherry Street, Jasper, IN 47549	
	1180 East 16th Street, Jasper, IN 47549	
	1037 East 15th Street & 1450 Cherry Street, Jasper, IN 47549	
	1038 East 15th Street & Northwest corner of East 16th Street & Cherry Street, Jasper, IN 47549	
Mailing Address:	1600 Royal Street, Jasper, Indiana 47549	
Phone Number:	(812) 482-1616	
SIC Codes:	flexcel – Jasper Cherry Street:	2435, 2436
	flexcel – Jasper 16th Street:	2517, 2511, 2531
	flexcel – Jasper 15th Street:	2541, 2542
	Kimball Electronics, Inc.:	3714, 3577, 3679
County Location:	Dubois	
Source Location Status:	Nonattainment for PM2.5 standard	
	Attainment for all other criteria pollutants	
Source Status:	Part 70 Permit Program	
	Major Source, under PSD	
	Major Source, Section 112 of the Clean Air Act	
	Not 1 of 28 Source Categories	

A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

The Kimball International, Inc. – 15th Street Contiguous Source consists of four (4) plants owned by Kimball International, Inc.:

(a) flexcel – Jasper Cherry Street is located at 1620 Cherry Street & 1650 Cherry Street, Jasper, IN 47549;

(b) flexcel – Jasper 16th Street is located at 1180 East 16th Street, Jasper, IN 47549;

(c) flexcel – Jasper 15th Street is located at 1037 East 15th Street & 1450 Cherry Street, Jasper, IN 47549; and

(d) Kimball Electronics, Inc. is located at 1038 East 15th Street & Northwest corner of East 16th Street & Cherry Street, Jasper, IN 47549

The four (4) plants are located in contiguous properties and are owned by one (1) company (Kimball International, Inc.). They will be considered one (1) source.

A.3 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:

flexcel- Jasper Cherry Street:

(a) Two (2) surface coating booths, identified as SB-2A, and SB-3A, with SB-2A and SB-3A constructed in 1989 and 1987, respectively, each with maximum capacities of 595 square feet of particleboard, plastic laminate or veneer per hour, using hot melt glue and rolling application methods, with particulate emissions controlled by dry filters, and exhausting at stacks SB-2 and SB-3, respectively.

(b) Two (2) boilers, consisting of the following:

(1) One (1) wood-fired (firetube) boiler, identified as B-1A, constructed in 1995, with a maximum heat input capacity of 20.5 MMBtu per hour, with a centrifugal collector (cyclone) for particulate control, and exhausting at stack S1.

(2) One (1) natural gas-fired (firetube) boiler used as back-up and equipped to burn only natural gas, identified as B-2A, constructed in 1996, rated at 16.8 MMBtu per hour, and exhausting at stack S2.

flexcel- Jasper 16th Street:

(a) Thirty (30) spray booths for wood furniture and panel coating, each equipped with HVLP or air assisted airless spray guns, as described below:

Spray Booth	Unit ID	Installation Date	Type of Control	# of Stacks	Stack/Vent IDs
WOOD FINISH SPRAY BOOTH	1AB	1988	Filter	2	1AB
WOOD FINISH SPRAY BOOTH	2A	1978	Filter	1	2A
WOOD FINISH SPRAY BOOTH	3AB	1978	Water Pan	2	3AB
WOOD FINISH SPRAY BOOTH	4AB	1978	Water Pan	2	4AB
WOOD FINISH SPRAY BOOTH	5AB	1978	Water Pan	2	5AB
WOOD FINISH SPRAY BOOTH	6A	1978	Water Pan	1	6A
WOOD FINISH SPRAY BOOTH	7AB	1978	Filter	2	7AB
WOOD FINISH SPRAY BOOTH	8AB	1988	Baffle	2	8AB
WOOD FINISH SPRAY BOOTH	9AB	1988	Baffle	2	9AB
WOOD FINISH SPRAY BOOTH	10A	Modified in 2003	Side Vertical Draft	1	10A
WOOD FINISH SPRAY BOOTH	11AB	1977	Water Pan	2	11AB
WOOD FINISH SPRAY BOOTH	12A	1977	Filter	1	12A
WOOD FINISH SPRAY BOOTH	13AB	Modified in 2003	DOWN DRAFT	2	13AB
WOOD FINISH SPRAY BOOTH	14A	1977	Water Pan	1	14A
WOOD FINISH SPRAY BOOTH	15AB	1977	Water Pan	2	15AB
WOOD FINISH SPRAY BOOTH	16A	1977	Water Pan	1	16A
WOOD FINISH SPRAY BOOTH	17AB	1988	Filter	2	17AB
WOOD FINISH SPRAY BOOTH	18A	1977	Water Pan	1	18A
WOOD FINISH SPRAY BOOTH	19AB	1977	Water Pan	2	19AB
WOOD FINISH SPRAY BOOTH	20A	1977	Water Pan	1	20A
WOOD FINISH SPRAY BOOTH	21AB	1977	Water Pan	2	21AB
WOOD FINISH SPRAY BOOTH	22A	1977	Water Pan	1	22A
WOOD FINISH SPRAY BOOTH	23AB	1977	Water Pan	2	23AB
WOOD FINISH SPRAY BOOTH	24AB	1977	Water Pan	2	24AB
WOOD FINISH SPRAY BOOTH	25A	1977	Water Pan	1	25A
WOOD FINISH SPRAY BOOTH	26A	1977	Water Pan	1	26A
WOOD FINISH SPRAY BOOTH	28A	1987	Baffle	1	28A
WOOD FINISH SPRAY BOOTH	29A	1988	Baffle	1	29ABC

Spray Booth	Unit ID	Installation Date	Type of Control	# of Stacks	Stack/Vent IDs
WOOD FINISH SPRAY BOOTH	29B	1988	Baffle	1	
WOOD FINISH SPRAY BOOTH	29C	1988	Filter	1	

(b) Two (2) boilers, consisting of the following:

(1) One (1) wood waste-fired (firetube) boiler, identified as B-1B, constructed in 1977, with a maximum heat input capacity of 25.1 MMBtu per hour, with a fly ash collector for particulate control, and exhausting to stack S1.

(2) One (1) natural gas-fired (firetube) boiler equipped to burn only natural gas, identified as B-2B, constructed in 1977, with a maximum heat input capacity of 16.7 MMBtu per hour, and exhausting at stack S2.

flexcel- Jasper 15th Street:

(a) Thirty-four (34) surface coating booths for wood furniture, and metal panel coating, as described in the following table:

Spray Booth	Unit IDs	Installation Date	Type of Control	Application Method	# of Stacks	Stack/Vent IDs
WOOD SPRAY BOOTH	SB-1	1970	Water Pan	WOOD FURNITURE NESHAP COMPLIANT	1	1
WOOD SPRAY BOOTH	SB-2	1998	Filter Pan		2	2
WOOD SPRAY BOOTH	SB-3	1970	Water Pan		2	3AB
WOOD SPRAY BOOTH	SB-4	1970	Filter		2	4AB
WOOD SPRAY BOOTH	SB-5	2004	Filter		3	5ABC
WOOD SPRAY BOOTH	SB-6	1970	Water Pan		1	6
WOOD SPRAY BOOTH	SB-7	1983	Water Pan		2	7AB
WOOD SPRAY BOOTH	SB-8	1970	Filter		1	8
WOOD SPRAY BOOTH	SB-9	2004	Filter		2	9AB
WOOD SPRAY BOOTH	SB-10AB	1970	Filter		2	10AB
WOOD SPRAY BOOTH	SB-11	1970	Water Pan		1	11
WOOD SPRAY BOOTH	SB-12R	Modified in 2002	Water Pan		2	12R
WOOD SPRAY BOOTH	SB-13	1970	Filter		1	13
WOOD SPRAY BOOTH	SB-14R	Modified in 2002	Water Pan		2	14R
WOOD SPRAY BOOTH	SB-15	2004	Filter		1	15
WOOD SPRAY BOOTH	SB-16	1998	Filter		2	16ABC
WOOD SPRAY BOOTH	SB-17R	Modified in 2002	Water Pan		2	17R
WOOD SPRAY BOOTH	SB-18	2004	Filter		2	18AB
WOOD SPRAY BOOTH	SB-19	1998	Filter		2	19AB
WOOD SPRAY BOOTH	SB-20R	Modified in 2002	Water Pan		2	20R
WOOD SPRAY BOOTH	SB-21R	Modified in 2002	Filter		2	21R
WOOD SPRAY BOOTH	SB-23	1979	Filter	WOOD FURNITURE NESHAP COMPLIANT	1	23
WOOD SPRAY BOOTH	SB-24	1979	Filter		1	24
WOOD SPRAY BOOTH	SB-26	1979	Baffle		1	26
METAL PAINT BOOTH H.S. Paints	SB-27	1979	Filter	Electrostatic Airless	1	27
METAL PAINT BOOTH H.S. Paints	SB-28	1987	Filter		1	28

Spray Booth	Unit IDs	Installation Date	Type of Control	Application Method	# of Stacks	Stack/Vent IDs
METAL PAINT BOOTH H.S. Paints	SB-29	1987	Filter		1	29AB
METAL PAINT BOOTH H.S. Paints	SB-30	1978	Filter	Electrostatic Disc	1	30
WOOD SPRAY BOOTH	SB-32	1989	Baffle	WOOD FURNITURE NESHAP COMPLIANT	2	32
WOOD SPRAY BOOTH	SB-33	1989	Baffle		2	33
WOOD SPRAY BOOTH	SB-37	1992	Filter		1	37
Dip Tank	DT-22	1990	Water pan	n/a	1	22
Dip Tank	DT-25	1979	Filter	n/a	1	25
Dip Tank	DT-38	1992	Filter	n/a	1	38

NOTE: One (1) additional non-spraying sidedraft flash tunnel, identified as SB-9SDFT, constructed in 2004, installed adjacent to and working in tandem with SB-9 above, with no particulate or VOC emissions, using no controls and exhausting to stacks 9AB

(b) Two (2) boilers, consisting of the following:

(1) One (1) wood waste-fired boiler (Brownnell HRT, firetube), identified as B-1C, constructed in 1961, with a maximum heat input capacity of 14.3 MMBtu per hour, with an 80% efficient fly ash collector for particulate control, and exhausting at stack BS-1.

(2) One (1) natural gas-fired boiler (North American Atlas, firetube) using No.2 fuel oil as emergency back-up fuel, identified as B-2C, constructed in 1971, with a maximum heat input capacity of 16.8 MMBtu per hour, and exhausting at stack BS-2.

Kimball Electronics, Inc.

(a) Six (6) circuit assembly stations as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Wave Solder	WSU1	3/1/1994	304
Fluxer	WSU1	8/1/1996	303
Wave Solder	WSU2	1/1/1998	202
Fluxer	WSU2	1/1/2001	201
Wave Solder	WSU3	2/1/1998	506
Fluxer	WSU3	10/18/2004	507
Wave Solder	WSU4	10/21/2000	711
Fluxer	WSU4	10/21/2000	711
Wave Solder	WSU5	1/1/1998	2001
Fluxer	WSU5	12/1/2002	2001
Wave Solder	WSU6	8/1/1994	2003
Fluxer	WSU6	12/1/2002	2003
Repair Wave Solder	WSU7	10/1/2000	206
Piller House Solder	WSU8	7/1/2001	505

(b) Three (3) Selective Solder Systems, as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Selective Solder/Fluxer	SSU1	12/31/2004	710
Selective Solder/Fluxer	SSU2	12/31/2004	709
Selective Solder/Fluxer	SSU3	12/14/2005	305

(c) Four (4) Conformal Coaters Systems, as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Coater	CCU1	12/30/1997	2012
Coater	CCU2	2/1/2000	508
Coater	CCU3	12/30/2003	712
Coater	CCU4	12/30/2003	713

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

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

flexcel – Jasper Cherry Street

(a) Insignificant woodworking operations, meeting the definition of "insignificant woodworking operation" specified in 326 IAC 2-7-1(21)(G)(xxix), with a maximum capacity of 2.54 tons per hour of wood, laminate and veneer, controlled by six (6) baghouses, as follows:

Baghouse / Stack ID	Max. Flow Rate (scfm)	Outlet Grain Loading (gr/scf)
TD1 (formerly MR1A)	70,000	Less than 0.001
TD2	50,000	Less than 0.001
TD3 (formerly MR1B)	14,500	Less than 0.001
TD4	63,000	Less than 0.001
TD5	62,970	Less than 0.001
TD6	62,970	Less than 0.001

Each baghouse exhausts either through a stack or into the building and then to general ventilation, depending upon seasonal heating requirements. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-4]

flexcel – Jasper 16th Street

(a) One (1) insignificant woodworking operation, identified as MV, meeting the definition of "insignificant woodworking operation" specified in 326 IAC 2-7-1(21)(G)(xxix), controlled by one (1) baghouse (MV), having an exhaust rate of 78,385 scfm and an outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting at stack MV. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

flexcel- Jasper 15th Street:

(a) One (1) enclosed powder coating booth, identified as PB #1, constructed in 2003, with a maximum capacity of 40 pounds of powder per hour, having no VOC or HAP emissions, using dry filters for particulate control, and exhausting to stack PB # 1. [326 IAC 6.5-1-2]

(b) Three (3) insignificant woodworking operations, meeting the definition of "insignificant woodworking operation" specified in 326 IAC 2-7-1(21)(G)(xxix), as follows:

(1) One (1) insignificant woodworking operation, identified as MD, constructed prior to 1980, with a maximum process weight rate of 993 pounds of wood per hour, controlled by a baghouse (MD) with a maximum air flow rate of 76,800 scfm and a outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting to stack MD. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

(2) One (1) insignificant woodworking operation, identified as CD-1, constructed prior to 1980, with a maximum process weight rate of 993 pounds of wood per hour, controlled by a baghouse (CD-1) with a maximum air flow rate of 45,000 scfm and a outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting to stack CD-1. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

(3) One (1) insignificant woodworking operation, identified as T-1, constructed prior to 1980, with a maximum process weight rate of 834 pounds of wood per hour, controlled by a baghouse (T-1) with a maximum air flow rate of 61,000 scfm and a outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting to stack T-1. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

(c) Emissions from research and development activities and emissions from a laboratory, as defined in 326 IAC 2-7-1(21)(E) and 326 IAC 2-7-1(21)(D), including the following:

(1) Two (2) Kimball Color Studios Samples Spray Booth, constructed in 1983, identified as SB-34 and SB-35, using HVLP or airless application methods, with emissions controlled by dry filter, and exhausting to stacks 34 and 35, respectively. [326 IAC 6.5-1-2]

(2) One (1) Kimball Color Studios Dip Tank, constructed in 1983, identified as DT-36, using dip and drain application methods, with emissions controlled by dry filter, and exhausting to stack 36. [326 IAC 6.5-1-2]

(d) Activities with VOC emissions less than 3 lb/hr or 15 lb/day, consisting of one (1) pyrolysis furnace rated at 0.4 MMBtu per hour, identified as BO-3, constructed in 2003, using an afterburner for control and exhausting to stack BO-3. [326 IAC 4-2-2].

Kimball Electronics, Inc.

(a) One (1) composite milling operation used for milling metal and plastic, with particulate emissions controlled by a cyclone (DC-1), and exhausting to stack 401. [326 IAC 6.5-1-2]

(b) Twenty-four (24) ovens, as described in the following table:

Insignificant Unit	Unit ID	Installation Date	Stack ID
Thermal Cycle Oven	OVU1	1/1/1992	306
Heat Curing Oven	OVU2	6/1/1997	215
Reflow Oven	OVU3	9/1/1994	216
Reflow Oven	OVU4	7/1/1996	218
Heat Curing Oven	OVU5	6/1/1999	501
Heat Curing Oven	OVU6	6/1/1999	502
Reflow Oven	OVU7	12/1/1998	503
Reflow Oven	OVU8	12/1/1998	504
Heat Curing Oven	OVU9	2/1/2000	511
Heat Curing Oven	OVU10	2/1/2000	511
Heat Curing Oven	OVU11	12/1/2000	903
Reflow Oven	OVU12	12/31/2004	715
Reflow Oven	OVU13	12/31/2004	716
IHT Hot test Oven	OVU14	6/30/2005	749
Heat Curing Oven	OVU15	6/1/2003	720
Heat Curing Oven	OVU16	12/1/1993	721
Heat Curing Oven	OVU17	1/31/2004	736
Heat Curing Oven	OVU18	1/31/2004	737
Reflow Oven	OVU19	10/1/2000	738
Reflow Oven	OVU20	11/1/1999	741
Reflow Oven	OVU21	1/1/1998	2002
Reflow Oven	OVU22	11/1/1995	2004
Thermal Cycle Oven	OVU23	10/1/1999	2013
Heat Curing Oven	OVU24	11/30/2000	509

(c) Three (3) washers, as described in the following table:

Insignificant Unit	Unit ID	Installation Date	Stack ID

Aqueous Cleaner	ACU1	3/1/1994	801
Aqueous Cleaner	ACU2	8/1/1993	2010
Aqueous Cleaner	ACU3	12/1/1999	2011

(d) One (1) evaporator, identified as EU1, constructed in December 1998, and exhausting to stack 2006.

(e) One (1) Test Chamber, identified as CU1, constructed in March 2005, and exhausting to stack 2015.

A.5 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, T037-7356-00100, 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 a 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) A 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 in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
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, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

IDEM – Main Office
Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967

Southwest Regional Office
Telephone No.: 1-888-672-0323 or,
Telephone No.: 812-380-2305
Facsimile No.: 812-380-2304

(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 Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

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 in 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 T037-7356-00100 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 Data Section, Office of Air Quality
100 North Senate Avenue
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 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
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]

(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
Permits Branch, Office of Air Quality
100 North Senate Avenue
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
Permits Branch, Office of Air Quality
100 North Senate Avenue
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 2-2-2]

(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 2-2-2.

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
Permits Branch, Office of Air Quality

100 North Senate Avenue
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 has been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 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 thirty percent (30%) 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.2 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. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

C.3 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. 326 IAC 9-1-2 is not federally enforceable.

C.4 Fugitive Dust Emissions [326 IAC 6.5-4]

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 6.5-4 (Fugitive Dust Emissions). 326 IAC 6.5-4-2(4) is not federally enforceable.

C.5 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.6 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 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 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.7 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 Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. 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.8 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.9 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 Branch, Office of Air Quality
100 North Senate Avenue
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.10 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.

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

C.11 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 Branch, Office of Air Quality
100 North Senate Avenue
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.12 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.13 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit(s) (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records;

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.14 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 and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do 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.15 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) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year 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
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.16 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2]

(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 reasonable possibility that a “project” (as defined in 326 IAC 2-2-1 (qq)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a “major modification” (as defined in 326 IAC 2-2-1 (ee)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1 (rr)), the Permittee shall comply with following:

(1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1 (qq) 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

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

(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 deviation, 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 Data Section, Office of Air Quality
100 North Senate Avenue
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) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, 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 recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq)) 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), 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).

(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
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
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.18 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: Boilers: flexcel - Jasper Cherry Street:

(b) Two (2) boilers, consisting of the following:

(1) One (1) wood-fired (firetube) boiler, identified as B-1A, constructed in 1995, with a maximum heat input capacity of 20.5 MMBtu per hour, with a centrifugal collector (cyclone) for particulate control, and exhausting at stack S1.

(2) One (1) natural gas-fired (firetube) boiler used as back-up and equipped to burn only natural gas, identified as B-2A, constructed in 1996, rated at 16.8 MMBtu per hour, and exhausting at stack S2.

(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 Particulate [326 IAC 6.5-4-17]

(a) Pursuant to 326 IAC 6.5-4-17, the particulate matter emissions from the 20.5 MMBtu/hr wood-fired boiler (B-1A) located at flexcel – Jasper Cherry Street shall not exceed 0.60 pounds per million British thermal units and 6.9 tons per year.

(b) Pursuant to 326 IAC 6.5-4-17, the particulate matter emissions from the 16.8 MMBtu per hour natural gas-fired boiler (B-2A) shall not exceed 0.003 pounds per MMBtu, 0.01 grains per dry standard foot and 0.2 tons per year.

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the wood-fired boiler and its control device.

Compliance Determination Requirements

D.1.3 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statue, rule, or this permit, and in order to comply with Condition D.1.1(a), the cyclone for particulate control shall be in operation and control emissions from the wood-fired boiler at all times that the wood-fired boiler is in operation.

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

D.1.4 Visible Emissions Notations

(a) Visible emission notations of the wood-fired boiler (B-1A) stack exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps

in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.5 Cyclone Failure Detection

In the event that cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

D.1.6 Record Keeping Requirements

(a) Pursuant to 40 CFR 60.43c(b), Subpart Dc, the Permittee shall maintain daily records of the type and amount of the fuel combusted in the 20.5 MMBtu/hr wood-fired boiler (B-1A) and the 16.8 MMBtu/hr natural gas-fired boiler (B-2A).

(b) To document compliance with Condition D.1.4, the Permittee shall maintain records of daily visible emission notations of the wood-fired boiler (B-1A) stack exhaust.

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

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description: Insignificant Activities: Woodworking: Flexcel - Jasper Cherry Street:

(a) Insignificant woodworking operations, meeting the definition of "insignificant woodworking operation" specified in 326 IAC 2-7-1(21)(G)(xxix), with a maximum capacity of 2.54 tons per hour of wood, laminate and veneer, controlled by six (6) baghouses, as follows:

Baghouse / Stack ID	Max. Flow Rate (scfm)	Outlet Grain Loading (gr/scf)
TD1 (formerly MR1A)	70,000	Less than 0.001
TD2	50,000	Less than 0.001
TD3 (formerly MR1B)	14,500	Less than 0.001
TD4	63,000	Less than 0.001
TD5	62,970	Less than 0.001
TD6	62,970	Less than 0.001

Each baghouse exhausts either through a stack or into the building and then to general ventilation, depending upon seasonal heating requirements. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-9]

(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 Minor Source Modifications [326 IAC 2-7-10.5(d)] Prevention of Significant Deterioration [326 IAC 2-2]

Pursuant to Minor Source Modification 037-17478-00100, issued on October 8, 2003, 326 IAC 2-7-10.5(d)(5)(C) (Minor Source Modifications), and 326 IAC 2-2 (Prevention of Significant Deterioration) the baghouse (TD4) shall comply with the following limits when the woodworking operation is in operation:

(a) Emissions of PM shall be limited to less than 5.7 pounds per hour.

(b) Emissions of PM10 shall be limited to less than 3.42 pounds per hour.

(c) At least 99% control efficiency; and

(d) No visible emissions.

Compliance with these limits makes the requirements of 326 IAC 2-2 (PSD) not applicable to the modifications performed under MSM 037-17478-00100.

D.2.2 Baghouse Limitations [326 IAC 2-7-1(21)(G)(xxix)]

The woodworking operations controlled by baghouses (TD1, TD2, TD3, TD4, TD5, and TD6) shall be considered insignificant activities for Title V permitting purposes provided that the baghouse operations meet the requirements of 326 IAC 2-7-1(21)(G)(xxix), including the following:

(a) Each woodworking baghouse shall not exhaust to the atmosphere greater than one hundred twenty-five thousand (125,000) cubic feet of air per minute and shall not emit particulate matter with a diameter less than ten (10) microns in excess of three-thousandths (0.003) grain per dry standard cubic foot of outlet air.

(b) The opacity from each baghouse shall not exceed ten percent (10%).

(c) Visible emissions from the baghouse shall be observed daily using procedures in accordance with Method 22 and normal or abnormal emissions are recorded. In the event

abnormal emissions are observed for greater than six (6) minutes in duration, the following shall occur:

(1) The baghouse shall be inspected.

(2) Corrective actions, such as replacing or reseating bags, are initiated, when necessary.

D.2.3 Particulate Matter (PM) [326 IAC 6.5-4-17]

Pursuant to 326 IAC 6.5-4-17 (formerly 326 IAC 6-1-9), the particulate matter emissions from the woodworking operations located at flexcel – Jasper Cherry Street and identified as TD1 and TD3 shall be limited to a total of two (2) tons per year.

D.2.4 Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2), the allowable PM emission rate from the woodworking operations located at flexcel – Jasper Cherry Street and identified as TD2, TD4, TD5, and TD6 shall not exceed three-hundredths (0.03) grain per dry standard cubic foot of exhaust air.

D.2.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.2.6 Particulate Control [326 IAC 2-7-21(1)(G)(xxix)(DD)] [326 IAC 6.5-1-2] [326 IAC 6.5-4-17] [326 IAC 2-7-6(6)]

(a) Except as otherwise provided by statute, rule, or this permit, the baghouses for particulate control shall be in operation at all times when the woodworking facilities are in operation.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.2.7 Baghouse Inspections [326 IAC 2-7-21(1)(G)(xxix)(FF)]

An inspection shall be performed each calendar quarter of all bags controlling the woodworking operation when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be repaired or replaced.

D.2.8 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouses pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

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

D.2.9 Record Keeping Requirements

(a) To document compliance with Condition D.2.7, the Permittee shall maintain records of the results of the inspections required under Condition D.2.2(c) and Condition D.2.7 and the dates the vents are redirected.

(b) To document compliance with Conditions D.2.1 and D.2.2(c), the Permittee shall maintain records of daily visible emission notations of the baghouse exhausts.

(c) The Permittee shall maintain records of corrective actions to document compliance with 326 IAC 2-7-21(1)(G)(xxix)(GG)(dd).

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

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description: Surface Coating: flexcel - Jasper Cherry Street:

(a) Two (2) surface coating booths, identified as SB-2A and SB-3A, with SB-2A and SB-3A constructed in 1989 and 1987, respectively, each with maximum capacities of 595 square feet of particleboard, plastic laminate or veneer per hour, using hot melt glue and rolling application methods, with particulate emissions controlled by dry filters, and exhausting at stacks SB-2 and SB-3, respectively.

(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 Matter Emission Limitations [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2), particulate matter emissions from the surface coating operations (SB-2A and SB-3A) shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

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

Pursuant to Registration, issued on October 14, 1987, the input of VOC to SB-3A shall be limited to less than 24.9 tons of VOC per twelve consecutive month period, with compliance determined at the end of each month.

D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.3.4 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statute, rule, or this permit, and in order to comply with condition D.3.1, the dry filters for particulate control shall be in operation and control emissions from the surface coating operations at all times that these facilities are in operation.

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

D.3.5 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks (SB-2 and SB-3) while one or more of the booths are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.3.6 Record Keeping Requirements

(a) To document compliance with Condition D.3.5, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.

(b) To document compliance with Condition D.3.2, 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 usage limits and/or the VOC emission limits established in Condition D.3.2 for SB-3A. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) The amount and VOC content of each coating material, dilution solvent and cleaning solvent 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;

(2) The total VOC usage for each month; and

(3) The weight of VOCs emitted for each compliance period

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

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description: Boilers: flexcel - Jasper 16th Street:

(b) Two (2) boilers, consisting of the following:

(1) One (1) wood waste-fired (firetube) boiler, identified as B-1B, constructed in 1977, with a maximum heat input capacity of 25.1 MMBtu per hour, with a fly ash collector for particulate control, and exhausting to stack S1.

(2) One (1) natural gas-fired (firetube) boiler equipped to burn only natural gas, identified as B-2B, constructed in 1977, with a maximum heat input capacity of 16.7 MMBtu per hour, and exhausting at stack S2.

(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 6.5-1-2]

(a) Pursuant to 326 IAC 6.5-1-2(b)(1)(B) (formerly 326 IAC 6-1-2), the particulate matter emissions from the 25.1 MMBtu wood-fired boiler (B-1B) located at flexcel – Jasper 16th Street shall not exceed thirty-five hundredths (0.35) pounds per MMBtu of heat input.

(b) Pursuant to 326 IAC 6.5-1-2(b)(3), the particulate matter emissions from the 16.7 MMBtu natural gas-fired boiler (B-2B) located at flexcel – Jasper 16th Street shall not exceed 0.01 grain per dry standard cubic foot.

D.4.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the wood-fired boiler and its control device.

Compliance Determination Requirements

D.4.3 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statute, rule, or this permit, and in order to comply with Condition D.4.1, the fly ash collector/cyclone for particulate control shall be in operation and control emissions from the wood-fired boiler (B-1B) at all times that the wood-fired boiler is in operation.

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

D.4.4 Visible Emissions Notations

(a) Visible emission notations of the wood-fired boiler (B-1B) stack exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps

in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.4.5 Fly Ash Collector/Cyclone Failure Detection

In the event that fly ash collector/cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.4.6 Record Keeping Requirements

(a) To document compliance with Condition D.4.4, the Permittee shall maintain records of daily visible emission notations of the wood-fired boiler (B-1B) stack exhaust.

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

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description: Insignificant Activities: Woodworking: flexcel - Jasper 16th Street:

(a) One (1) insignificant woodworking operation, identified as MV, meeting the definition of "insignificant woodworking operation" specified in 326 IAC 2-7-1(21)(G)(xxix), controlled by one (1) baghouse (MV), having an exhaust rate of 78,385 scfm and an outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting at stack MV. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

(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.5.1 Baghouse Limitations [326 IAC 2-7-1(21)(G)(xxix)]

The woodworking operation (MV) controlled by a baghouse shall be considered insignificant activities for Title V permitting purposes provided that the baghouse operations meet the requirements of 326 IAC 2-7-1(21)(G)(xxix), including the following:

(a) Each woodworking baghouse shall not exhaust to the atmosphere greater than one hundred twenty-five thousand (125,000) cubic feet of air per minute and shall not emit particulate matter with a diameter less than ten (10) microns in excess of three-thousandths (0.003) grain per dry standard cubic foot of outlet air.

(b) The opacity from each baghouse shall not exceed ten percent (10%).

(c) Visible emissions from the baghouse shall be observed daily using procedures in accordance with Method 22 and normal or abnormal emissions are recorded. In the event abnormal emissions are observed for greater than six (6) minutes in duration, the following shall occur:

(1) The baghouse shall be inspected.

(2) Corrective actions, such as replacing or reseating bags, are initiated, when necessary.

D.5.2 Particulate [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2), the allowable PM emission rate from each of the woodworking operations located at flexcel – Jasper 16th Street and identified as MV shall not exceed three-hundredths (0.03) grain per dry standard cubic foot of exhaust air.

D.5.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this woodworking facility and its control device.

Compliance Determination Requirements

D.5.4 Particulate Control [326 IAC 2-7-21(1)(G)(xxix)(DD)] [326 IAC 6.5-1-2] [326 IAC 2-7-6(6)]

(a) Except as otherwise provided by statute, rule, or this permit, the baghouse for particulate control shall be in operation at all times when the woodworking facility is in operation.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.5.5 Baghouse Inspections [326 IAC 2-7-21(1)(G)(xxix)(FF)]

An inspection shall be performed each calendar quarter of all bags controlling the woodworking operation when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be repaired or replaced.

D.5.6 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouses pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

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

D.5.7 Record Keeping Requirements

(a) To document compliance with Condition D.5.5, the Permittee shall maintain records of the results of the inspections required under Condition D.5.1(c) and Condition D.5.5 and the dates the vents are redirected.

(b) To document compliance with Condition D.5.1(c), the Permittee shall maintain records of daily visible emission notations of the baghouse exhaust.

(c) The Permittee shall maintain records of corrective actions to document compliance with 326 IAC 2-7-21(1)(G)(xxix)(GG)(dd).

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

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description: Surface Coating: flexcel - Jasper 16th Street:

(a) Thirty (30) spray booths for wood furniture and panel coating, each equipped with HVLP or air assisted airless spray guns, as described below:

Spray Booth	Unit ID	Installation Date	Type of Control	# of Stacks	Stack/Vent IDs
WOOD FINISH SPRAY BOOTH	1AB	1988	Filter	2	1AB
WOOD FINISH SPRAY BOOTH	2A	1978	Filter	1	2A
WOOD FINISH SPRAY BOOTH	3AB	1978	Water Pan	2	3AB
WOOD FINISH SPRAY BOOTH	4AB	1978	Water Pan	2	4AB
WOOD FINISH SPRAY BOOTH	5AB	1978	Water Pan	2	5AB
WOOD FINISH SPRAY BOOTH	6A	1978	Water Pan	1	6A
WOOD FINISH SPRAY BOOTH	7AB	1978	Filter	2	7AB
WOOD FINISH SPRAY BOOTH	8AB	1988	Baffle	2	8AB
WOOD FINISH SPRAY BOOTH	9AB	1988	Baffle	2	9AB
WOOD FINISH SPRAY BOOTH	10A	Modified in 2003	Side Vertical Draft	1	10A
WOOD FINISH SPRAY BOOTH	11AB	1977	Water Pan	2	11AB
WOOD FINISH SPRAY BOOTH	12A	1977	Filter	1	12A
WOOD FINISH SPRAY BOOTH	13AB	Modified in 2003	DOWN DRAFT	2	13AB
WOOD FINISH SPRAY BOOTH	14A	1977	Water Pan	1	14A
WOOD FINISH SPRAY BOOTH	15AB	1977	Water Pan	2	15AB
WOOD FINISH SPRAY BOOTH	16A	1977	Water Pan	1	16A
WOOD FINISH SPRAY BOOTH	17AB	1988	Filter	2	17AB
WOOD FINISH SPRAY BOOTH	18A	1977	Water Pan	1	18A
WOOD FINISH SPRAY BOOTH	19AB	1977	Water Pan	2	19AB
WOOD FINISH SPRAY BOOTH	20A	1977	Water Pan	1	20A
WOOD FINISH SPRAY BOOTH	21AB	1977	Water Pan	2	21AB
WOOD FINISH SPRAY BOOTH	22A	1977	Water Pan	1	22A
WOOD FINISH SPRAY BOOTH	23AB	1977	Water Pan	2	23AB
WOOD FINISH SPRAY BOOTH	24AB	1977	Water Pan	2	24AB
WOOD FINISH SPRAY BOOTH	25A	1977	Water Pan	1	25A
WOOD FINISH SPRAY BOOTH	26A	1977	Water Pan	1	26A
WOOD FINISH SPRAY BOOTH	28A	1987	Baffle	1	28A
WOOD FINISH SPRAY BOOTH	29A	1988	Baffle	1	29ABC
WOOD FINISH SPRAY BOOTH	29B	1988	Baffle	1	
WOOD FINISH SPRAY BOOTH	29C	1988	Filter	1	

(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.6.1 General Provisions Relating to HAPs [326 IAC 20-1-1] [40 CFR 63, Subpart A]

The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63, Subpart JJ.

D.6.2 Wood Furniture NESHAP [40 CFR 63, Subpart JJ] [326 IAC 20-14]

(a) Pursuant to 40 CFR 63, Subpart JJ, the wood furniture coating operations shall comply with the following conditions:

(1) Limit the Volatile Hazardous Air Pollutant (VHAP) emissions from finishing operations as follows:

(A) Achieve a weighted average VHAP content across all coatings of one (1.0) pound VHAP per pound solids as applied; or

(B) Use compliance finishing materials in which all stains, washcoats, sealers, topcoats, basecoats and enamels have a maximum VHAP content of one (1.0) pound VHAP per pound solid, as applied. Thinners used for on-site formulation of washcoats, basecoats, and enamels have a 3.0 percent (3%) maximum VHAP content by weight. All other thinners have a 10.0 percent (10%) maximum VHAP content by weight; or

(C) Use any combination of (A) and (B).

(2) Limit VHAP emissions from contact adhesives as follows:

(A) Use compliant contact adhesives as follows:

(i) For foam adhesives used in products that meet the upholstered seating flammability requirements, the VHAP content shall not exceed one and eight-tenths (1.8) pounds VHAP per pound solids.

(ii) For all other contact adhesives (except aerosols and contact adhesives applied to nonporous substrates) the VHAP content shall not exceed one (1.0) pound VHAP per pound solid.

(3) The strippable spray booth material shall have a maximum VOC content of eight-tenths (0.8) pounds VOC per pound solids.

D.6.3 Work Practice Standards [40 CFR 63.803] [326 IAC 20-14]

The Permittee shall prepare and maintain a written work practice implementation plan. The implementation plan must define environmentally desirable work practices for each wood furniture manufacturing operation and at a minimum address each of the following work practice standards as defined under 40 CFR 63.803:

(a) Operator training course;
(b) Leak inspection and maintenance plan;
(c) Cleaning and washoff solvent accounting system;
(d) Chemical composition of cleaning and washoff solvents;
(e) Spray booth cleaning;
(f) Storage requirements;
(g) Conventional air spray guns shall only be used under the circumstances defined under 40 CFR 63.803(h);
(h) Line cleaning;
(i) Gun cleaning;
(j) Washoff operations;
(k) Formulation assessment plan for finishing operations.

D.6.4 Volatile Organic Compounds (BACT) [326 IAC 8-1-6]

Pursuant to 326 IAC 8-1-6, spray booths 1AB, 8AB, 9AB, 17AB, 28A, 29A, 29B, and 29C shall utilize one of the following application methods:

Airless Spray Application
Air Assisted Airless Spray Application
Electrostatic Spray Application
Electrostatic Bell or Disc Application
Heated Airless Spray Application
Roller Coating
Brush or Wipe Application
Dip-and-Drain Application

High Volume Low Pressure (HVLP) Spray Application
High Volume Low Pressure (HVLP) Spray Application is an accepted alternative method of application for Air Assisted Airless Spray Application. HVLP spray is the technology used to apply coating to 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.

D.6.5 Volatile Organic Compounds (VOC) [326 IAC 8-2-12]

Pursuant to 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating), the surface coating applied to wood furniture and cabinets at emission units identified as 10A and 13AB shall utilize one of the following application methods:

Airless Spray Application
Air Assisted Airless Spray Application
Electrostatic Spray Application
Electrostatic Bell or Disc Application
Heated Airless Spray Application
Roller Coating
Brush or Wipe Application
Dip-and-Drain Application

High Volume Low Pressure (HVLP) Spray Application is an accepted alternative method of application for Air Assisted Airless Spray Application. HVLP spray is the technology used to apply coating to 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.

D.6.6 Particulate Matter Emission Limitations [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2), particulate matter emissions from the surface coating operations (1AB, 2A, 3AB, 4AB, 5AB, 6A, 7AB, 8AB, 9AB, 10A, 11AB, 12A, 13AB, 14A, 15AB, 16A, 17AB, 18A, 19AB, 20A, 21AB, 22A, 23AB, 24AB, 25A, 26A, 28A, 29A, 29B, 29C) shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.6.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.6.8 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statute, rule, or this permit, and in order to comply with condition D.6.6, the dry filters, water pans and baffles for particulate control shall be in operation and control emissions from the surface coating operations at all times that these facilities are in operation.

D.6.9 Testing Requirements [326 IAC 2-7-6(1), (6)] [40 CFR 63, Subpart JJ] [326 IAC 20-14]

(a) Pursuant to 40 CFR 63, Subpart JJ, if the Permittee elects to demonstrate compliance using 63.804(a)(3) or 63.804(c)(2) or 63.804(d)(3) or 63.804(e)(2), performance testing must be conducted in accordance with 40 CFR 63, Subpart JJ and 326 IAC 3-6.

(b) IDEM, OAQ may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, OAQ, compliance with the limits specified in D.6.2 shall be determined by a performance test conducted in accordance with the Section C - Performance Testing.

D.6.10 Volatile Organic Compounds (VOC)

Compliance with the VHAP content limitations contained in Condition D.6.2 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” VHAP 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

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

D.6.11 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the dry filters. Daily inspections shall be performed to verify that the water level of the water pans meet the manufacturer's recommended level. To monitor the performance of the water pans, the water level of the pans shall be maintained weekly at a level where surface agitation indicates impact of the air flow. Water shall be kept free of solids and floating material that reduces the capture efficiency of the water pan. To monitor the performance of the baffles, weekly inspections of the baffle panels shall be conducted to verify placement and configuration meet recommendations of the manufacturer. To monitor the performance of the dry filters, water pans and baffles, weekly observations shall be made of the overspray from the surface coating booth stacks (1AB, 2A, 3AB, 4AB, 5AB, 6A, 7AB, 8AB, 9AB, 10A, 11AB, 12A, 13AB, 14A, 15AB, 16A, 17AB, 18A, 19AB, 20A, 21AB, 22A, 23AB, 24AB, 25A, 26A, 28A, 29ABC) while one or more of the booths are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.6.12 Record Keeping Requirements [40 CFR 63, Subpart JJ]

(a) To document compliance with Condition D.6.2, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VHAP usage limits established in Condition D.6.2. Records necessary to demonstrate compliance shall be available within 30 days if the end of each compliance period.

(1) Certified Product Data Sheet for each finishing material, thinner, contact adhesive and strippable booth coating.

(2) The VHAP content in pounds of VHAP per pounds of solids, as applied, for all finishing materials and contact adhesives used.

(3) The VOC content in pounds of VOC per pounds of solids, as applied, for each strippable coating used.

(4) The VHAP content in weight percent of each thinner used.

(5) When the averaging compliance method is used, copies of the averaging calculations for each month as well as the data on the quantity of coating and thinners used to calculate the average.

(b) To document compliance with Condition D.6.11, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.

(c) To document compliance with Condition D.6.3, the Permittee shall maintain records demonstrating actions have been taken to fulfill the Work Practice Implementation Plan.

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

D.6.13 Reporting Requirements

A semi-annual summary of the information to document compliance with Condition D.6.2 shall be submitted to the addresses 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 six (6) month period 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.7 FACILITY OPERATION CONDITIONS

Facility Description: Boilers: flexcel - Jasper 15th Street:

(b) Two (2) boilers, consisting of the following:

(1) One (1) wood waste-fired boiler (Brownnell HRT, firetube), identified as B-1C, constructed in 1961, with a maximum heat input capacity of 14.3 MMBtu per hour, with an 80% efficient fly ash collector for particulate control, and exhausting at stack BS-1.

(2) One (1) natural gas-fired boiler (North American Atlas, firetube) using No.2 fuel oil as emergency back-up fuel, identified as B-2C, constructed in 1971, with a maximum heat input capacity of 16.8 MMBtu per hour, and exhausting at stack BS-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.7.1 Particulate [326 IAC 6.5-1-2]

(a) Pursuant to 326 IAC 6.5-1-2(b)(1)(C) (formerly 326 IAC 6-1-2), the particulate matter emissions from the 14.3 MMBtu wood-fired boiler (B-1C) located at flexcel – Jasper 15th Street shall not exceed six-tenths (0.6) pound per MMBtu of heat input.

(b) Pursuant to 326 IAC 6.5-1-2(b)(3) (formerly 326 IAC 6-1-2), the particulate matter emissions from the 16.8 MMBtu natural gas-fired boiler (B-2C) located at flexcel – Jasper 15th Street shall not exceed one-hundredth (0.01) grain per dry standard cubic feet when burning natural gas.

(c) Pursuant to 326 IAC 6.5-1-2(b)(2) (formerly 326 IAC 6-1-2), the particulate matter emissions from the 16.8 MMBtu natural gas-fired boiler (B-2C) located at flexcel – Jasper 15th Street shall not exceed fifteen-hundredths (0.15) pound per MMBtu heat input when burning No. 2 fuel oil.

D.7.2 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1] [326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations) the SO_2 emissions from the 16.8 MMBtu per hour boiler identified as B-2C shall not exceed five tenths (0.5) pound per MMBtu heat input when burning No. 2 fuel oil as emergency backup fuel. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

D.7.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the wood-fired boiler and its control device.

Compliance Determination Requirements

D.7.4 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.7.2 for the 16.8 MMBtu/hr boiler identified as B-2C when burning fuel oil as emergency backup shall be determined utilizing one of the following options.

(a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million Btu heat input by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;

(2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the 16.8 MMBtu per hour boiler identified as B-2C, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

D.7.5 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statue, rule, or this permit, and in order to comply with Conditions D.7.1(a), the fly ash collector/cyclone for particulate control shall be in operation and control emissions from the wood-fired boiler at all times that the wood-fired boiler is in operation.

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

D.7.6 Visible Emissions Notations

(a) Visible emission notations of the wood-fired boiler (B-1C) stack exhaust shall be performed once per day during normal daylight operations. Visible emission notations of the natural gas-fired boiler (B-2C) stack exhaust shall be performed once per day during normal daylight operations when combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.7.7 Fly Ash Collector/Cyclone Failure Detection

In the event that fly ash collector/cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C – Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.7.8 Record Keeping Requirements

(a) To document compliance with Condition D.7.6, the Permittee shall maintain records of daily visible emission notations of the wood-fired boiler (B-1C) stack exhaust.

(b) To document compliance with Condition D.7.6, the Permittee shall maintain records of daily visible emission notations of the natural gas-fired boiler (B-2C) stack exhaust when this boiler burns fuel oil as backup.

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

D.7.9 Reporting Requirements

The natural gas boiler certification for the 16.8 MMBtu/hr natural gas-fired boiler identified as B-2C 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 its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.8 FACILITY OPERATION CONDITIONS

Facility Description: Insignificant Activities: Woodworking: flexcel - Jasper 15th Street:

(b) Three (3) insignificant woodworking operations, meeting the definition of "insignificant woodworking operation" specified in 326 IAC 2-7-1(21)(G)(xxix), as follows:

(1) One (1) insignificant woodworking operation, identified as MD, constructed prior to 1980, with a maximum process weight rate of 993 pounds of wood per hour, controlled by a baghouse (MD) with a maximum air flow rate of 76,800 scfm and a outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting to stack MD. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

(2) One (1) insignificant woodworking operation, identified as CD-1, constructed prior to 1980, with a maximum process weight rate of 993 pounds of wood per hour, controlled by a baghouse (CD-1) with a maximum air flow rate of 45,000 scfm and a outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting to stack CD-1. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

(3) One (1) insignificant woodworking operation, identified as T-1, constructed prior to 1980, with a maximum process weight rate of 834 pounds of wood per hour, controlled by a baghouse (T-1) with a maximum air flow rate of 61,000 scfm and a outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting to stack T-1. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

(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.8.1 Baghouse Limitations [326 IAC 2-7-1(21)(G)(xxix)]

The woodworking operations (MD, CD-1 and T-1) controlled by a baghouse shall be considered insignificant activities for Title V permitting purposes provided that the baghouse operations meet the requirements of 326 IAC 2-7-1(21)(G)(xxix), including the following:

(a) Each woodworking baghouse shall not exhaust to the atmosphere greater than one hundred twenty-five thousand (125,000) cubic feet of air per minute and shall not emit particulate matter with a diameter less than ten (10) microns in excess of three-thousandths (0.003) grain per dry standard cubic foot of outlet air.

(b) The opacity from each baghouse shall not exceed ten percent (10%).

(c) Visible emissions from the baghouse shall be observed daily using procedures in accordance with Method 22 and normal or abnormal emissions are recorded. In the event abnormal emissions are observed for greater than six (6) minutes in duration, the following shall occur:

(1) The baghouse shall be inspected.

(2) Corrective actions, such as replacing or reseating bags, are initiated, when necessary.

D.8.2 Particulate Matter (PM) [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2), the allowable PM emission rate from each of the woodworking operations located at flexcel – Jasper 15th Street and identified as MD, CD-1 and T-1 shall not exceed three-hundredths (0.03) grain per dry standard cubic foot of exhaust air.

D.8.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.8.4 Particulate Control [326 IAC 2-7-21(1)(G)(xxix)(DD)] [326 IAC 6.5-1-2] [326 IAC 2-7-6(6)]

(a) Except as otherwise provided by statute, rule, or this permit, the baghouses for particulate control shall be in operation at all times when the woodworking facilities are in operation.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

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

D.8.5 Baghouse Inspections [326 IAC 2-7-21(1)(G)(xxix)(FF)]

An inspection shall be performed each calendar quarter of all bags controlling the woodworking operation when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be repaired or replaced.

D.8.6 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouses pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

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

D.8.7 Record Keeping Requirements

(a) To document compliance with Condition D.8.5, the Permittee shall maintain records of the results of the inspections required under Condition D.8.1(c) and Condition D.8.5 and the dates the vents are redirected.

(b) To document compliance with Condition D.8.1(c), the Permittee shall maintain records of daily visible emission notations of the baghouse exhaust.

(c) The Permittee shall maintain records of corrective actions to document compliance with 326 IAC 2-7-21(1)(G)(xxix)(GG)(dd).

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

SECTION D.9 FACILITY OPERATION CONDITIONS

Facility Description: Surface Coating: flexcel - Jasper 15th Street:

(a) Thirty-four (34) surface coating booths for wood furniture, and metal panel coating, as described in the following table:

Spray Booth	Unit IDs	Installation Date	Type of Control	Application Method	# of Stacks	Stack/Vent IDs
WOOD SPRAY BOOTH	SB-1	1970	Water Pan	WOOD FURNITURE NESHAP COMPLIANT	1	1
WOOD SPRAY BOOTH	SB-2	1998	Filter Pan		2	2
WOOD SPRAY BOOTH	SB-3	1970	Water Pan		2	3AB
WOOD SPRAY BOOTH	SB-4	1970	Filter		2	4AB
WOOD SPRAY BOOTH	SB-5	2004	Filter		3	5ABC
WOOD SPRAY BOOTH	SB-6	1970	Water Pan		1	6
WOOD SPRAY BOOTH	SB-7	1983	Water Pan		2	7AB
WOOD SPRAY BOOTH	SB-8	1970	Filter		1	8
WOOD SPRAY BOOTH	SB-9	2004	Filter		2	9AB
WOOD SPRAY BOOTH	SB-10AB	1970	Filter		2	10AB
WOOD SPRAY BOOTH	SB-11	1970	Water Pan		1	11
WOOD SPRAY BOOTH	SB-12R	Modified in 2002	Water Pan		2	12R
WOOD SPRAY BOOTH	SB-13	1970	Filter		1	13
WOOD SPRAY BOOTH	SB-14R	Modified in 2002	Water Pan		2	14R
WOOD SPRAY BOOTH	SB-15	2004	Filter		1	15
WOOD SPRAY BOOTH	SB-16	1998	Filter		2	16ABC
WOOD SPRAY BOOTH	SB-17R	Modified in 2002	Water Pan		2	17R
WOOD SPRAY BOOTH	SB-18	2004	Filter		2	18AB
WOOD SPRAY BOOTH	SB-19	1998	Filter		2	19AB
WOOD SPRAY BOOTH	SB-20R	Modified in 2002	Water Pan		2	20R
WOOD SPRAY BOOTH	SB-21R	Modified in 2002	Filter		2	21R
WOOD SPRAY BOOTH	SB-23	1979	Filter		1	23
WOOD SPRAY BOOTH	SB-24	1979	Filter		1	24
WOOD SPRAY BOOTH	SB-26	1979	Baffle		1	26
METAL PAINT BOOTH H.S. Paints	SB-27	1979	Filter	Electrostatic Airless	1	27
METAL PAINT BOOTH H.S. Paints	SB-28	1987	Filter		1	28
METAL PAINT BOOTH H.S. Paints	SB-29	1987	Filter		1	29AB
METAL PAINT BOOTH H.S. Paints	SB-30	1978	Filter	Electrostatic Disc	1	30
WOOD SPRAY BOOTH	SB-32	1989	Baffle	WOOD FURNITURE NESHAP COMPLIANT	2	32
WOOD SPRAY BOOTH	SB-33	1989	Baffle		2	33
WOOD SPRAY BOOTH	SB-37	1992	Filter		1	37
Dip Tank	DT-22	1990	Water pan	n/a	1	22
Dip Tank	DT-25	1979	Filter	n/a	1	25
Dip Tank	DT-38	1992	Filter	n/a	1	38

NOTE: One (1) additional non-spraying sidedraft flash tunnel, identified as SB-9SDFT, constructed in 2004, installed adjacent to and working in tandem with SB-9 above, with no particulate or VOC emissions, using no controls and exhausting to stacks 9AB

(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.9.1 General Provisions Relating to NSPS and NESHAPs [326 IAC 12-1-1] [326 IAC 20-1] [40 CFR Part 60, Subpart A] [40 CFR Part 63, Subpart A]

(a) The provisions of 40 CFR Part 60, Subpart A General Provisions, which are incorporated by reference in 326 IAC 12 1-1, apply to the facilities described in Condition D.9.2 except when otherwise specified in 40 CFR Part 60, Subpart EE

(b) The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facilities described in Condition D.9.4 except when otherwise specified in 40 CFR 63, Subpart JJ.

(c) The provisions of 40 CFR Part 63, Subpart A - General Provisions apply to the facilities described in Condition D.9.3 except when otherwise specified in 40 CFR Part 63, Subpart RRRR.

D.9.2 New Source Performance Standard for Surface Coating of Metal Furniture [40 CFR 60, Subpart EE] [326 IAC 12-1] [40 CFR 60.312(a)]

Pursuant to 40 CFR 60.312(a), the Permittee shall not shall cause the discharge into the atmosphere of VOC emissions from metal furniture surface coating operations SB-28 and SB-29 in excess of 0.90 kilogram of VOC per liter of coating solids applied (this is equivalent to 7.5 pounds of VOC per gallon of coating solids applied).

D.9.3 National Emission Standards for Hazardous Air Pollutants for Surface Coating of Metal Furniture [40 CFR Part 63, Subpart RRRR]

(a) The following emissions units comprise the affected source that is subject to 40 CFR 63, Subpart RRRR: metal paint booths SB-27, SB-28, SB-29 and SB-30.

(b) Pursuant to 40 CFR 63, Subpart RRRR, the metal paint booths SB-27, SB-28, SB-29 and SB-30 are subject to the Conditions in Section E.1 of this permit.

D.9.4 Wood Furniture NESHAP [40 CFR 63, Subpart JJ] [326 IAC 20-14]

(a) Pursuant to 40 CFR 63, Subpart JJ, the wood furniture coating operations (SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, SB-8, SB-9, SB-10AB, SB-11, SB-12R, SB-13, SB-14R, SB-15, SB-16, SB-17R, SB-18, SB-19, SB-20R, SB-21R, SB-23, SB-24, SB-26, SB-32, SB-33, SB-37, DT-22, DT-25, DT-38) shall comply with the following conditions:

(1) Limit the Volatile Hazardous Air Pollutant (VHAP) emissions from finishing operations as follows:

(A) Achieve a weighted average VHAP content across all coatings of one (1.0) pound VHAP per pound solids as applied; or

(B) Use compliance finishing materials in which all stains, washcoats, sealers, topcoats, basecoats and enamels have a maximum VHAP content of one (1.0) pound VHAP per pound solid, as applied. Thinners used for on-site formulation of washcoats, basecoats, and enamels have a 3.0 percent (3%) maximum VHAP content by weight. All other thinners have a 10.0 percent (10%) maximum VHAP content by weight; or

(C) Use any combination of (A) and (B).

(2) Limit VHAP emissions from contact adhesives as follows:

(A) Use compliant contact adhesives as follows:

(i) For foam adhesives used in products that meet the upholstered seating flammability requirements, the VHAP content shall not

exceed one and eight-tenths (1.8) pounds VHAP per pound solids.

(ii) For all other contact adhesives (except aerosols and contact adhesives applied to nonporous substrates) the VHAP content shall not exceed one (1.0) pound VHAP per pound solid.

(3) The strippable spray booth material shall have a maximum VOC content of eight-tenths (0.8) pounds VOC per pound solids.

D.9.5 Work Practice Standards [40 CFR 63.803] [326 IAC 20-14]

The Permittee shall prepare and maintain a written work practice implementation plan. The implementation plan must define environmentally desirable work practices for each wood furniture manufacturing operation and at a minimum address each of the following work practice standards as defined under 40 CFR 63.803:

(a) Operator training course;
(b) Leak inspection and maintenance plan;
(c) Cleaning and washoff solvent accounting system;
(d) Chemical composition of cleaning and washoff solvents;
(e) Spray booth cleaning;
(f) Storage requirements;
(g) Conventional air spray guns shall only be used under the circumstances defined under 40 CFR 63.803(h);
(h) Line cleaning;
(i) Gun cleaning;
(j) Washoff operations;
(k) Formulation assessment plan for finishing operations.

D.9.6 PSD Minor Limit [326 IAC 2-2]

Pursuant to an Amendment letter dated October 22, 1987, the usage of VOC including coatings, dilution solvents, and cleaning solvents, in the surface coating facilities at flexcel - Jasper 15th Street (SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, SB-8, SB-9, SB-10AB, SB-11, SB-12R, SB-13, SB-14R, SB-15, SB-16, SB-17R, SB-18, SB-19, SB-20R, SB-21R, SB-23, SB-24, SB-26, SB-27, SB-28, SB-29, SB-30, SB-32, SB-33, SB-37, DT-22, DT-25 and DT-38) shall be limited to less than 248 tons per twelve consecutive month period, with compliance determined at the end of each month. This usage limit, combined with VOC emissions from the boilers and natural gas-fired facilities at flexcel - Jasper 15th Street, is required to limit the potential to emit of VOC from the facilities at flexcel - Jasper 15th Street to less than 250 tons per twelve consecutive month period. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable to the modification performed at flexcel-Jasper 15th Street after 1987.

D.9.7 Volatile Organic Compounds (VOC) [326 IAC 8-2-12]

Pursuant to 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating), the surface coating applied to wood furniture and cabinets at surface coating booths SB-2, SB-5, SB-9, SB-12R, SB-14R, SB-15, SB-16, SB-17R, SB-18, SB-19, SB-20R, SB-21R, SB-37, DT-22 and DT-38 shall utilize one of the following application methods:

Airless Spray Application
Air Assisted Airless Spray Application
Electrostatic Spray Application
Electrostatic Bell or Disc Application
Heated Airless Spray Application
Roller Coating
Brush or Wipe Application
Dip-and-Drain Application

High Volume Low Pressure (HVLP) Spray Application is an accepted alternative method of application for Air Assisted Airless Spray Application. HVLP spray is the technology used to apply

coating to 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.

D.9.8 Volatile Organic Compounds (BACT) [326 IAC 8-1-6]

Pursuant to 326 IAC 8-1-6, spray booths SB-7, SB-32, and SB-33 shall utilize one of the following application methods:

Airless Spray Application
Air Assisted Airless Spray Application
Electrostatic Spray Application
Electrostatic Bell or Disc Application
Heated Airless Spray Application
Roller Coating
Brush or Wipe Application
Dip-and-Drain Application
High Volume Low Pressure (HVLP) Spray Application

High Volume Low Pressure (HVLP) Spray Application is an accepted alternative method of application for Air Assisted Airless Spray Application. HVLP spray is the technology used to apply coating to 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.

D.9.9 Volatile Organic Compounds (VOC) [326 IAC 8-2-6]

Pursuant to 326 IAC 8-2-6, the Permittee shall not allow the discharge into the atmosphere of any volatile organic compounds (VOC) in excess of three (3) pounds of VOC per gallon, excluding water, as delivered to the applicator at booths SB-28 and SB-29.

D.9.10 Particulate Matter Emission Limitations [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2), particulate matter emissions from the surface coating operations shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.9.11 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

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

Compliance Determination Requirements

D.9.12 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statute, rule, or this permit, and in order to comply with condition D.9.10, the dry filters, water pans and baffles for particulate control shall be in operation and control emissions from the surface coating operations at all times that these facilities are in operation.

D.9.13 Testing Requirements [326 IAC 2-7-6(1), (6)] [40 CFR 63, Subpart JJ] [326 IAC 20-14]

(a) Pursuant to 40 CFR 63, Subpart JJ, if the Permittee elects to demonstrate compliance using 63.804(a)(3) or 63.804(c)(2) or 63.804(d)(3) or 63.804(e)(2), performance testing must be conducted in accordance with 40 CFR 63, Subpart JJ and 326 IAC 3-6.

(b) IDEM, OAQ may require compliance testing at any specific time when necessary to determine if the facility is in compliance. If testing is required by IDEM, OAQ, compliance with the limits specified in Condition D.9.4 shall be determined by a performance test conducted in accordance with the Section C - Performance Testing.

D.9.14 Volatile Organic Compounds (VOC)

Compliance with the VHAP and VOC content and usage limitations contained in Conditions D.9.2, D.9.4, and D.9.6 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”

VHAP and 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.

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

D.9.15 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the dry filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks (SB-2, SB-4, SB-5, SB-8, SB-9, SB-10AB, SB-13, SB-15, SB-16, SB-18, SB-19, SB-21R, SB-23, SB-24, SB-27, SB-28, SB-29, SB-30, SB-37, DT-25, DT-38) while one or more of the booths are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) Daily inspections shall be performed to verify that the water level of the water pans meet the manufacturer's recommended level. To monitor the performance of the water pans, the water level of the pans shall be maintained weekly at a level where surface agitation indicates impact of the air flow. Water shall be kept free of solids and floating material that reduces the capture efficiency of the water pan. To monitor the performance of the baffles, weekly inspections of the baffle panels shall be conducted to verify placement and configuration meet recommendations of the manufacturer. In addition, weekly observations shall be made of the overspray from the surface coating booth stacks (SB-1, SB-3, SB-6, SB-7, SB-11, SB-12R, SB-14R, SB-17R, SB-20R, SB-26, SB-32, SB-33, DT-22) while one or more of the booths are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(c) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.9.16 Record Keeping Requirements [40 CFR 60, Subpart EE] [40 CFR 63, Subpart JJ] [326 IAC 2-2] [326 IAC 8-2-6] [326 IAC 8-2-12]

(a) Pursuant to 40 CFR 60.315(d), and in order to document compliance with Condition D.9.2, the Permittee shall maintain at the source, for a period of at least five (5) years, records of all data and calculations used to determine VOC emissions from surface coating booths SB-28 and SB-29.

(b) To document compliance with 40 CFR 63, Subpart JJ and Condition D.9.4, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VHAP usage limits established in Condition D.9.4 for surface coating booths SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, SB-8, SB-9, SB-10AB, SB-11, SB-12R, SB-13, SB-14R, SB-15, SB-16, SB-17R, SB-18, SB-19, SB-20R, SB-21R, SB-23, SB-24, SB-26, SB-27, SB-32, SB-33, SB-37, DT-22, DT-25 and DT-38. Records necessary to demonstrate compliance shall be available within 30 days if the end of each compliance period.

(1) Certified Product Data Sheet for each finishing material, thinner, contact adhesive and strippable booth coating.

(2) The VHAP content in pounds of VHAP per pounds of solids, as applied, for all finishing materials and contact adhesives used.

(3) The VOC content in pounds of VOC per pounds of solids, as applied, for each strippable coating used.

(4) The VHAP content in weight percent of each thinner used.

(5) When the averaging compliance method is used, copies of the averaging calculations for each month as well as the data on the quantity of coating and thinners used to calculate the average.

(c) To document compliance with the PSD Minor Limit and Condition D.9.6, 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 usage limits and/or the VOC emission limits established in Condition D.9.6 for surface coating booths SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, SB-8, SB-9, SB-10AB, SB-11, SB-12R, SB-13, SB-14R, SB-15, SB-16, SB-17R, SB-18, SB-19, SB-20R, SB-21R, SB-23, SB-24, SB-26, SB-27, SB-28, SB-29, SB-30, SB-32, SB-33, SB-37, DT-22, DT-25 and DT-38. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) The amount and VOC content of each coating material, dilution solvent, cleaning solvent, adhesive and strippable spray booth coating 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.

(2) The total VOC usage for each month; and

(3) The weight of VOCs emitted for each compliance period.

(d) To document compliance with Condition D.9.9, the Permittee shall maintain records in accordance with (1) through (2) below. Records maintained for (1) through (2) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC emission limits established in Condition D.9.9.

(1) The amount and VOC content of each coating material and solvent used, less water, on a monthly basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

(2) The volume weighted VOC content of the coatings used for each month.

(e) To document compliance with Condition D.9.15, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.

(f) To document compliance with Condition D.9.5, the Permittee shall maintain records demonstrating actions have been taken to fulfill the Work Practice Implementation Plan.

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

D.9.17 Reporting Requirements [40 CFR 60, Subpart EE] [40 CFR 63, Subpart JJ]

(a) Pursuant to 40 CFR 60.315(b), for the surface coatings applied in booths SB-28 and SB-29, the Permittee shall identify, record, and submit a written report every calendar quarter of each instance in which the volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids is greater than the limit

specified under 40 CFR 60.312(a). If no such instances have occurred during a particular quarter, a report stating this shall be submitted semiannually. The report required by this condition shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the period 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).

(b) A semi-annual summary of the information to document compliance with the requirements of 40 CFR 63, Subpart JJ and Condition D.9.4 shall be submitted to the addresses 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 six (6) month period 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).

(c) A quarterly summary of the information to document compliance with the PSD Minor Limit on usage of VOC at flexcel – Jasper 15th Street and Condition D.9.6 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.10 FACILITY OPERATION CONDITIONS

Facility Description: Insignificant Activities: flexcel - Jasper 15th Street:

(a) One (1) enclosed powder coating booth, identified as PB #1, constructed in 2003, with a maximum capacity of 40 pounds of powder per hour, having no VOC or HAP emissions, using dry filters for particulate control, and exhausting to stack PB # 1. [326 IAC 6.5-1-2]

(c) Emissions from research and development activities and emissions from a laboratory, as defined in 326 IAC 2-7-1(21)(E) and 326 IAC 2-7-1(21)(D), including the following:

(1) Two (2) Kimball Color Studios Samples Spray Booth, constructed in 1983, identified as SB-34 and SB-35, using HVLP or airless application methods, with emissions controlled by dry filter, and exhausting to stacks 34 and 35, respectively. [326 IAC 6.5-1-2]

(2) One (1) Kimball Color Studios Dip Tank, constructed in 1983, identified as DT-36, using dip and drain application methods, with emissions controlled by dry filter, and exhausting to stack 36. [326 IAC 6.5-1-2]

(d) Activities with VOC emissions less than 3 lb/hr or 15 lb/day, consisting of one (1) pyrolysis furnace rated at 0.4 MMBtu per hour, identified as BO-3, constructed in 2003, using an afterburner for control and exhausting to stack BO-3. [326 IAC 4-2-2].

(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.10.1 Particulate [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2), the allowable PM emission rate from the enclosed powder coating booth, identified as PB #1, and the two (2) Kimball Color Studios Samples Spray Booth, identified as SB-34 and SB-35, and the Kimball Color Studios Dip Tank, identified as DT-36, shall not exceed three-hundredths (0.03) grain per dry standard cubic foot of outlet air.

D.10.2 Burning Regulations [326 IAC 4-2-2]

Pursuant to Exemption 037-17176-00100, issued on June 12, 2003, and 326 IAC 4-2-2, the pyrolysis cleaning furnace (BO-3) shall:

(a) Consist of primary and secondary chambers or the equivalent.

(b) Be equipped with a primary burner unless burning wood products.

(c) Comply with 326 IAC 5-1 and 326 IAC 2.

(d) Be maintained properly as specified by the manufacturer and approved by the commissioner.

(e) Be operated according to the manufacturer's recommendations and only burn waste approved by the commissioner.

(f) Comply with other state and/or local rules or ordinances regarding installation and operation of incinerators.

(g) Be operated so that emissions of hazardous material including, but not limited to, viable pathogenic bacteria, dangerous chemicals or gases, or noxious odors are prevented.

(h) Not emit particulate matter in excess of five-tenths (0.5) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas at standard conditions corrected to fifty percent (50%) excess air.

(i) Not create a nuisance or a fire hazard.

If any of the above result, the burning shall be terminated immediately.

Compliance Determination Requirement

D.10.3 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statute, rule, or this permit, and in order to comply with D.10.1, the dry filters for particulate control shall be in operation and control emissions from the enclosed powder coating booth (PB), and the two (2) Kimball Color Studios Samples Spray Booths (SB-34 and SB-35), at all times that the enclosed powder coating booth and the two (2) Kimball Color Studios Samples Spray Booths are in operation.

SECTION D.11 FACILITY OPERATION CONDITIONS

Facility Description: Conformal Coaters, Soldering: Kimball Electronics, Inc.:

(a) Six (6) circuit assembly stations as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Wave Solder	WSU1	3/1/1994	304
Fluxer	WSU1	8/1/1996	303
Wave Solder	WSU2	1/1/1998	202
Fluxer	WSU2	1/1/2001	201
Wave Solder	WSU3	2/1/1998	506
Fluxer	WSU3	10/18/2004	507
Wave Solder	WSU4	10/21/2000	711
Fluxer	WSU4	10/21/2000	711
Wave Solder	WSU5	1/1/1998	2001
Fluxer	WSU5	12/1/2002	2001
Wave Solder	WSU6	8/1/1994	2003
Fluxer	WSU6	12/1/2002	2003
Repair Wave Solder	WSU7	10/1/2000	206
Piller House Solder	WSU8	7/1/2001	505

(b) Three (3) Selective Solder Systems, as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Selective Solder/Fluxer	SSU1	12/31/2004	710
Selective Solder/Fluxer	SSU2	12/31/2004	709
Selective Solder/Fluxer	SSU3	12/14/2005	305

(c) Four (4) Conformal Coaters Systems, as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Coater	CCU1	12/30/1997	2012
Coater	CCU2	2/1/2000	508
Coater	CCU3	12/30/2003	712
Coater	CCU4	12/30/2003	713

(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.11.1 Particulate Matter Emission Limitations [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2), particulate matter emissions from the circuit assembly stations (WSU1, WSU2, WSU3, WSU4, WSU5, WSU6, WSU7, and WSU8), the selective solder systems (SSU1, SSU2, and SSU3), and the conformal coating systems (CCU1, CCU2, CCU3, and CCU4) shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.11.2 HAP Limitation [326 IAC 2-7-10.5] [326 IAC 2-4.1]

Pursuant to 326 IAC 2-7-10.5(d)(5) and Minor Source Modification 037-17162-00100, issued on May 28, 2003, the total usage of a single HAP (Toluene) in the two (2) PVA 2000 selective conformal coating systems, identified as CCU3 and CCU4, shall be limited to less than ten (10) tons per twelve consecutive month period, with compliance determined at the end of each month. Compliance with this limit makes the requirements of 326 IAC 2-4.1 and the requirements of 326 IAC 2-7-10.5(f) not applicable.

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

D.11.3 Record Keeping Requirements

(a) To document compliance with Conditions D.11.2, 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 HAPs emission limits established in Condition D.11.2. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) The amount and HAP content of each coating material 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.

(2) The total HAP usage for each month; and

(3) The weight of HAP emitted for each compliance period.

(b) All records shall be maintained in accordance with Section C - General Record Keeping

D.11.4 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.11.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.

SECTION D.12 FACILITY OPERATION CONDITIONS

Facility Description: Insignificant Activities: Kimball Electronics, Inc.

(a) One (1) composite milling operation used for milling metal and plastic, with particulate emissions controlled by a cyclone (DC-1), and exhausting to stack 401. [326 IAC 6.5-1-2]

(b) Twenty-four (24) ovens, as described in the following table:

Insignificant Unit	Unit ID	Installation Date	Stack ID
Thermal Cycle Oven	OVU1	1/1/1992	306
Heat Curing Oven	OVU2	6/1/1997	215
Reflow Oven	OVU3	9/1/1994	216
Reflow Oven	OVU4	7/1/1996	218
Heat Curing Oven	OVU5	6/1/1999	501
Heat Curing Oven	OVU6	6/1/1999	502
Reflow Oven	OVU7	12/1/1998	503
Reflow Oven	OVU8	12/1/1998	504
Heat Curing Oven	OVU9	2/1/2000	511
Heat Curing Oven	OVU10	2/1/2000	511
Heat Curing Oven	OVU11	12/1/2000	903
Reflow Oven	OVU12	12/31/2004	715
Reflow Oven	OVU13	12/31/2004	716
IHT Hot test Oven	OVU14	6/30/2005	749
Heat Curing Oven	OVU15	6/1/2003	720
Heat Curing Oven	OVU16	12/1/1993	721
Heat Curing Oven	OVU17	1/31/2004	736
Heat Curing Oven	OVU18	1/31/2004	737
Reflow Oven	OVU19	10/1/2000	738
Reflow Oven	OVU20	11/1/1999	741
Reflow Oven	OVU21	1/1/1998	2002
Reflow Oven	OVU22	11/1/1995	2004
Thermal Cycle Oven	OVU23	10/1/1999	2013
Heat Curing Oven	OVU24	11/30/2000	509

(c) Three (3) washers, as described in the following table:

Insignificant Unit	Unit ID	Installation Date	Stack ID
Aqueous Cleaner	ACU1	3/1/1994	801
Aqueous Cleaner	ACU2	8/1/1993	2010
Aqueous Cleaner	ACU3	12/1/1999	2011

(d) One (1) evaporator, identified as EU1, constructed in December 1998, and exhausting to stack 2006.

(e) One (1) Test Chamber, identified as CU1, constructed in March 2005, and exhausting to stack 2015.

(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.12.1 Particulate [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2), the allowable PM emission rate from the composite milling operation shall not exceed three-hundredths (0.03) grain per dry standard cubic foot of outlet air.

Compliance Determination Requirement

D.12.2 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statute, rule, or this permit, and in order to comply with D.12.1, the cyclone for particulate control shall be in operation and control emissions from the composite milling operation at all times that the composite milling operation is in operation.

Permit Language for 40 CFR 63, Subpart RRRR

SECTION E.1 FACILITY OPERATION CONDITIONS

Facility Description: Surface Coating: flexcel - Jasper 15th Street:

(a) Four (4) surface coating booths for metal panel coating, as described in the following table:

Spray Booth	Unit IDs	Installation Date	Type of Control	Application Method	# of Stacks	Stack/Vent IDs
METAL PAINT BOOTH H.S. Paints	SB-27	1979	Filter	Electrostatic Airless	1	27
METAL PAINT BOOTH H.S. Paints	SB-28	1987	Filter		1	28
METAL PAINT BOOTH H.S. Paints	SB-29	1987	Filter		1	29AB
METAL PAINT BOOTH H.S. Paints	SB-30	1978	Filter	Electrostatic Disc	1	30

(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)]

E.1.1 General Provisions Relating to NESHAP [40 CFR 63, Subpart A]

The provisions of 40 CFR Part 63, Subpart A - General Provisions apply to the facilities described in this section except when otherwise specified in 40 CFR Part 63, Subpart RRRR.

E.1.2 Emissions Standards for Surface Coating of Metal Furniture [40 CFR 63.4882] [40 CFR 63.4883] [40 CFR 63.4900] [40 CFR 63.4891]

(a) Pursuant to 40 CFR 63.4882, the Permittee shall limit HAP emissions from the following operations used for the surface coating of metal furniture:

(1) All coating operations as defined in 40 CFR 63.4981, including equipment used to apply cleaning materials to a substrate to prepare it for coating application or to remove dried or wet coating (surface preparation); to apply coating to a substrate (coating application) and to dry or cure the coating after application; and to clean coating operation equipment (equipment cleaning);

(2) All storage containers and mixing vessels in which coatings, thinners, and cleaning materials are stored or mixed;

(3) All manual and automated equipment and containers and all pumps and piping within the affected source used for conveying coatings, thinners, and cleaning materials; and

(4) All storage containers, all pumps and piping, and all manual and automated equipment and containers within the affected source used for conveying waste materials generated by a coating operation.

(b) Pursuant to 40 CFR 63.4883(b) and 40 CFR 63.4890(c), beginning May 23, 2006, the Permittee shall limit organic HAP emissions to the atmosphere to no more than 0.10 kg organic HAP per liter (0.83 lb/gal) of coating solids used during each compliance period.

(c) Pursuant to 40 CFR 63.4883(b) and 40 CFR 63.4891(a), the Permittee shall comply with the emission limit in paragraph (b) of this condition using only coatings that have an organic HAP content less than 0.83 pounds per gallon of coating solids and thinners and cleaning materials that contain no organic HAP.

(d) Pursuant to 40 CFR 63.4900(b), the Permittee shall, at all times, including periods of

startup, shutdown, and malfunction, operate and maintain all of the operations used for the surface coating of metal furniture, in a manner consistent with safety and good air pollution control practices for minimizing emissions. During a period of startup, shutdown, or malfunction, this general duty to minimize emissions requires that the Permittee reduce emissions from the operations used for the surface coating of metal furniture to the greatest extent which is consistent with safety and good air pollution control practices. The general duty to minimize emissions during a period of startup, shutdown, or malfunction does not require the Permittee to achieve emission levels that would be required by the applicable standard at other times if this is not consistent with safety and good air pollution control practices, nor does it require the Permittee to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures review of operation and maintenance records, and inspection of the source.

Compliance Determination Requirements

E.1.3 Demonstrating Initial Compliance with HAP Emissions Limits [40 CFR 63.4883] [40 CFR 63.4891] [40 CFR 63.4900] [40 CFR 63.4940] [40 CFR 63.4941]

(a) Pursuant to 40 CFR 63.4883(b) and 40 CFR 63.4940, the initial compliance period begins on May 23, 2006 and ends on June 30, 2006.

(b) Pursuant to 40 CFR 63.4891(a), 40 CFR 63.4900(a), 40 CFR 63.4940, and 40 CFR 63.4941, the Permittee shall demonstrate initial compliance with the HAP emission limitations during the initial compliance period by:

(1) Using no coating with an organic HAP content that exceeds the limit in Condition E.1.2(b), as determined by Condition E.1.5;

(2) Using no thinner or cleaning material that contains organic HAP, as determined by Condition E.1.5;

(3) Keeping all records required by Condition E.1.7;

(4) Identifying each coating operation and group of coating operations for which the compliant material option is used, as required in 40 CFR 63.4910(c) and 40 CFR 63.4930(c)(1); and

(5) Submitting the Notification of Compliance Status by July 30, 2006, as required by Condition E.1.6(c). The initial Notification of Compliance Status report shall specify whether, during the initial compliance period, each emission unit was either in compliance with, or deviated from, the requirements of Condition E.1.2.

E.1.4 Demonstrating Continuous Compliance with HAP Emissions Limits [40 CFR 63.4900] [40 CFR 63.4940] [40 CFR 63.4941] [40 CFR 63.4942]

(a) Pursuant to 40 CFR 63.4942(a), for the purposes of demonstrating continuous compliance with the compliant materials option, a compliance period shall be defined as each calendar month following the initial compliance period described in 40 CFR 63.4940 and Condition E.1.3(a). Compliance shall be demonstrated monthly and shall be determined at the end of every month (12 times per year). The first continuous compliance demonstration period begins on July 1, 2006.

(b) Pursuant to 40 CFR 63.4891(a), 40 CFR 63.4900(a), 40 CFR 63.4941(e), and 40 CFR 63.4942, the Permittee shall demonstrate continuous compliance with the HAP emission limitations during each compliance period by:

(1) Using no coating with an organic HAP content that exceeds the applicable emission limit in Condition E.1.2(b) as determined by Condition E.1.5;

(2) Using no thinner or cleaning material that contains organic HAP as determined in Condition E.1.5;

(3) Keeping all records required by Condition E.1.7;

(4) Identifying each coating operation and group of coating operations for which the compliant materials option is used, as required by Condition E.1.8;

(5) Including a statement in the semiannual compliance report that specifies whether, during the compliance period, each emission unit was either in compliance with, or deviated from, the requirements of Condition E.1.2, as required by Condition E.1.9; and

(6) Reporting any deviation from the emission limitations specified in Condition E.1.2, as required by Condition E.1.8.

E.1.5 Determining Hazardous Air Pollutant (HAP) Content of Materials [40 CFR 63.4941]

Pursuant to 40 CFR 63.4941, the Permittee shall demonstrate compliance with the emission limitations for the metal furniture surface coating operations during the initial compliance period and subsequent compliance periods by using the procedures in paragraphs (a) through (e) of this Condition. These procedures shall be used for each coating, thinner, and cleaning material in the condition it is in when it is received from the manufacturer and prior to any alteration.

(a) The Permittee shall determine the mass fraction of organic HAP for each coating, thinner and cleaning material used in the metal furniture surface coating operations by using one of the options in paragraphs (a)(1) through (5) below:

(1) Method 311 (Appendix A to 40 CFR 63). The Permittee may use Method 311 for determining the mass fraction of organic HAP. The Permittee shall use the procedures specified in paragraphs (a)(1)(A) and (B) below when determining organic HAP content by Method 311.

(A) Include in the organic HAP total each organic HAP that is measured to be present at 0.1 percent by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. Express the mass fraction of each organic HAP measured as a value truncated to four places after the decimal point (for example, 0.1234).

(B) Calculate the total organic HAP content in the test material by adding up the individual organic HAP contents and truncating the result to three places after the decimal point (for example, 0.123).

(2) Method 24 (Appendix A to 40 CFR 60). For coatings, the Permittee may use Method 24 for determining the mass fraction of nonaqueous volatile matter and use that value as a substitute for mass fraction of organic HAP.

(3) The Permittee may use an alternative test method for determining mass fraction of organic HAP by obtaining prior approval by the Administrator, following the procedure set forth in 40 CFR 63.7(f).

(4) By providing information on organic HAP content from information supplied by the supplier or manufacturer of the material, such as manufacturer's formulation data, if it represents each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other organic HAP compounds. If there is a disagreement between such information and results of a test conducted according to paragraphs (a)(1) through (a)(3) above, then the test method results will take precedence.

(5) For solvent blends, the Permittee shall calculate organic HAP content using detailed information available from the supplier or manufacturer of the material. When test data and manufacturer's data for solvent blends are not available, the Permittee shall use the default values for organic HAP content listed in Table 3 or 4 of 40 CFR 63, Subpart RRRR.

(b) The Permittee shall determine the volume fraction of coating solids for each coating (liters of coating solids per liter of coating) for each coating used during the compliance period by a test or by information provided by the supplier or the manufacturer of the material, as specified in paragraphs (b)(1), (2), and (3) below. If test results obtained according to paragraph (b)(1) below do not agree with the information obtained under paragraph (b)(2) or (3) of this Condition, the test results will take precedence.

(1) Test results. The Permittee may use ASTM Method D2697–86 (Reapproved 1998), "Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings" (incorporated by reference, see 40 CFR 63.14), or D6093–97, "Standard Test Method for Percent Volume Nonvolatile Matter in Clear or Pigmented Coatings Using a Helium Gas Pycnometer" (incorporated by reference, see 40 CFR 63.14), to determine the volume fraction of coating solids for each coating. Divide the nonvolatile volume percent obtained with the methods by 100 to calculate volume fraction of coating solids. Alternatively, the Permittee may use another test method upon obtaining prior approval from the Administrator according to the requirements of 40 CFR 63.7(f).

(2) Information from the supplier or manufacturer of the material. The Permittee may obtain the volume fraction of coating solids for each coating from the supplier or manufacturer.

(3) Calculation of volume fraction of coating solids. If the volume fraction of coating solids cannot be determined using the options outlined in paragraphs (b)(1) and (2) of this Condition, the Permittee shall determine it using the following equation:

$$V_S = 1 - (M_{volatiles} / D_{avg})$$

Where:
Vs = Volume fraction of coating solids, liters coating solids per liter coating.

$M_{volatiles}$ = Total volatile matter content of the coating, including HAP, volatile organic compounds (VOC), water, and exempt compounds, determined according to Method 24 in appendix A of 40 CFR part 60, grams volatile matter per liter coating.

D_{avg} = Average density of volatile matter in the coating, grams volatile matter per liter volatile matter, determined from test results using ASTM Method D1475–90, information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If there is disagreement between ASTM Method D1475–90 test results and other information sources, the test results will take precedence.

(c) The Permittee shall determine the density of each coating used during the compliance period from test results using ASTM Method D1475–90 or information from the supplier or manufacturer of the material. If there is disagreement between ASTM Method D1475–90 test results and the supplier's or manufacturer's information, the test results will take precedence.

(d) The Permittee shall calculate the organic HAP content of each coating (kilograms organic HAP per liter coating solids) of each coating used during the compliance period, using the following equation, except that if the mass fraction of organic HAP in the coating equals zero, then the organic HAP content also equals zero and the Permittee is not required to

use the following equation to calculate the organic HAP content.

$$H_C = (D_C \times W_C) / V_S$$

Where:

H_C = Organic HAP content of the coating, in kilograms organic HAP per liter coating solids.

D_C = Density of coating, in kilograms coating per liter coating, determined according to paragraph (c) of this condition.

W_C = Mass fraction of organic HAP in the coating, in kilograms organic HAP per kilogram coating, determined according to paragraph (a) of this condition.

V_S = Volume fraction of coating solids, in liter coating solids per liter coating, determined according to paragraph (b) of this condition.

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

E.1.6 Notification Requirements for Metal Furniture Surface Coating Operations [40 CFR 63.4883] [40 CFR 63.4910]

Pursuant to 40 CFR 63.4883(d) and 40 CFR 63.4910, the Permittee shall submit all of the following notifications by the dates specified:

(a) The Permittee shall submit the Notification of Compliance Status required by 40 CFR 63.9(h) no later than July 30, 2006. The Notification of Compliance Status must contain the applicable information specified in 40 CFR 63.9(h) and the information specified in paragraphs (c)(1) through (8) of this condition.

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report.

(3) Date of the report and beginning and ending dates of the reporting period. The reporting period is the initial compliance period, beginning May 23, 2006 and ending June 30, 2006.

(4) Identification of the compliance option or options specified in 40 CFR 63.4891 that the Permittee used on each coating operation in the affected source during the initial compliance period and that the Permittee will use for demonstrating continuous compliance.

(5) Statement of whether or not the metal furniture surface coating operations achieved the emission limitations for the initial compliance period.

(6) If the Permittee deviated from an applicable emission standard or limitation, include the following information:

(A) A description and statement of the cause of the deviation; and

(B) If the Permittee failed to meet the applicable emission limitations in Condition E.1.2(b), include all of the calculations used to determine compliance. The Permittee does not need to submit information provided by material suppliers or manufacturers or test reports.

(7) For each of the data items listed in paragraphs (c)(7)(A) through (C) of this condition, include an example of how the value was determined, including calculations and supporting data. Supporting data can include a copy of the

information provided by the supplier or manufacturer of the example coating or material or a summary of the results of testing conducted according to Condition E.1.5 The Permittee does not need to submit copies of any test reports.

(A) Mass fraction of organic HAP for one coating, for one thinner, and for one cleaning material.

(B) Volume fraction of coating solids for one coating.

(C) Density for one coating.

(8) An example calculation of the organic HAP content for one coating, using the equation in Condition E.1.5(d).

(d) Pursuant to 40 CFR 63.9(j), if the Permittee changes any information submitted in any notification, the Permittee shall submit the changes in writing to the Administrator within 15 calendar days after the change.

(e) The notifications required by paragraphs (a) through (d) above shall be submitted to:

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

E.1.7 Record Keeping Requirements for Metal Furniture Surface Coating Operations [40 CFR 63.4930] [40 CFR 63.4931] [40 CFR 63.4941] [40 CFR 63.4942]

(a) Pursuant to 40 CFR 63.4930(a), the Permittee shall keep a copy of each notification and report submitted to comply with 40 CFR 63, Subpart RRRR, and the documentation supporting each notification and report.

(b) Pursuant to 40 CFR 63.4930(b), the Permittee shall keep a current record of information provided by materials suppliers or manufacturers, including information such as manufacturer's formulation data for the materials used, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner, and cleaning material and the volume fraction of coating solids for each coating. If testing is conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the Permittee shall keep a copy of the complete test report. If the Permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the Permittee shall keep the summary sheet of results provided by the manufacturer or supplier.

(c) Pursuant to 40 CFR 63.4930(c), for each compliance period, the Permittee shall keep the following records:

(1) A record of the compliance option used at each coating operation and the time periods (beginning and ending dates and times) the Permittee used each option; and

(2) A record of the calculation of the organic HAP content for each coating, using the equation in Condition E.1.5(d).

(d) Pursuant to 40 CFR 63.4930(d), the Permittee shall keep a record of the name and volume of each coating, thinner, and cleaning material used during each compliance period.

(e) Pursuant to 40 CFR 63.4930(e), the Permittee shall keep a record of the mass fraction of organic HAP for each coating, thinner, and cleaning material used during each compliance period.

(f) Pursuant to 40 CFR 63.4930(f), the Permittee shall keep a record of the volume fraction of coating solids for each coating used during each compliance period.

(g) Pursuant to 40 CFR 63.4930(g), the Permittee shall keep a record of the density for each coating used during each compliance period.

(h) Pursuant to 40 CFR 63.4930(j), the Permittee shall keep records of the date, time, and duration of each deviation.

(i) Pursuant to 40 CFR 63.4931(e), the Permittee shall keep records as specified below:

(1) Records must be readily available and in a form so they can be easily inspected and reviewed, according to 40 CFR 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database.

(2) Records must be kept for 5 years following the date that each record is generated.

(3) Records must be kept on site for at least 2 years after the date that each record is generated. The Permittee can keep the records offsite for the remaining 3 years.

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

E.1.8 Reporting Requirements for Metal Furniture Surface Coating Operations [40 CFR 63.5764]

Pursuant to 40 CFR 63.4920(a), the Permittee shall submit semiannual compliance reports for the metal furniture surface coating operations according to the requirements of paragraphs (a) and (b) of this condition.

(a) The Permittee shall prepare and submit semiannual compliance reports according to the dates specified below:

(1) The first semiannual compliance report must cover the first semiannual reporting period which begins July 1, 2006 and ends on December 31, 2006.

(2) Each subsequent semiannual compliance report must cover the subsequent semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(3) Each semiannual compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(b) The semiannual compliance report must contain the following information:

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report.

(3) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31.

(4) Identification of the compliance option or options specified in 40 CFR 63.4891 that are used on each coating operation during the reporting period. If the Permittee switched between compliance options during the reporting period, the Permittee must report the beginning and ending dates when each option is used.

(5) If there were no deviations from the emission limits in Condition E.1.2, the semiannual compliance report must include an affirmative statement that there

were no deviations from the emission limitations in Condition E.1.2 during the reporting period. If there were no deviations from the emission limitations in Condition E.1.2, the semiannual compliance report must include the affirmative statement that the coating operation or group of coating operations was in compliance with the emission limitations during the reporting period because no coating for which the organic HAP content exceeded the applicable emission limit in Condition E.1.2 was used, and no thinner or cleaning material that contained organic HAP was used.

(6) If there was a deviation from the applicable emission limit in Condition E.1.2, the semiannual compliance report must contain the following information:

(A) Identification of each coating used that deviated from the emission limit, and of each thinner and cleaning material used that contained organic HAP, and the dates and time periods each was used.

(B) The calculation of the organic HAP content for each coating used that deviated from the emission limit. It is not necessary to submit background data supporting this calculation, for example, information provided by materials suppliers or manufacturers, or test reports.

(C) The determination of mass fraction of organic HAP for each coating, thinner, and cleaning material used that deviated from the emission limit. It is not necessary to submit background data supporting this calculation, for example, information provided by materials suppliers or manufacturers, or test reports.

(D) A statement of the cause of each deviation.

(d) The semiannual compliance report shall be submitted to:

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name:	**Kimball International, Inc. – 15th Street Contiguous Source**, consisting of: flexcel – Jasper Cherry Street, flexcel – Jasper 16th Street, flexcel – Jasper 15th Street and Kimball Electronics, Inc.
Source Address:	1620 Cherry Street, 1650 Cherry Street, 1180 East 16th Street, 1037 East 15th Street, 1450 Cherry Street, 1038 East 15th Street, and Northwest corner of East 16th Street & Cherry Street, Jasper, IN 47549
Mailing Address:	1600 Royal Street, Jasper, Indiana 47549
Part 70 Permit No.:	037-7356-00100

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)

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:		
Plant Name: (check one)	☐ flexcel – Jasper Cherry Street ☐ flexcel – Jasper 15th Street	☐ flexcel – Jasper 16th Street ☐ Kimball Electronics, Inc.
Phone:		
Date:		

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-5674
Fax: 317-233-5967

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name:	**Kimball International, Inc. – 15th Street Contiguous Source**, consisting of: flexcel – Jasper Cherry Street, flexcel – Jasper 16th Street, flexcel – Jasper 15th Street and Kimball Electronics, Inc.
Source Address:	1620 Cherry Street, 1650 Cherry Street, 1180 East 16th Street, 1037 East 15th Street, 1450 Cherry Street, 1038 East 15th Street, and Northwest corner of East 16th Street & Cherry Street, Jasper, IN 47549
Mailing Address:	1600 Royal Street, Jasper, Indiana 46549
Part 70 Permit No.:	037-7356-00100

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 317-233-5674, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-5967), 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
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 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS-FIRED BOILER CERTIFICATION

Source Name:	Kimball International, Inc. – 15th Street Contiguous Source
Source Address:	1037 East 15th Street & 1450 Cherry Street, Jasper, IN 47549
Mailing Address:	1600 Royal Street, Jasper, Indiana 47549
Part 70 Permit No.:	037-7356-00100
Facility:	flexcel-Jasper 15th Street - 16.8 MMBtu/hr natural gas-fired boiler (B-2C)

☐ Natural Gas Only
☐ Alternate Fuel burned
From:_____ To:_____

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:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

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

Part 70 Quarterly Report

Source Name: Kimball International, Inc. – 15th Street Contiguous Source
Source Address: 1037 East 15th Street & 1450 Cherry Street, Jasper, IN 47549
Mailing Address: 1600 Royal Street, Jasper, Indiana 47549
Part 70 Permit No.: 037-7356-00100
Facility: flexcel – Jasper 15th Street - Surface Coating Operations
Parameter: VOC
Limit: Less than 248 tons of VOC per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ 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: Kimball International, Inc. – 15th Street Contiguous Source
Source Address: 1038 East 15th Street & Northwest corner of East 16th Street & Cherry Street, Jasper, IN 47549
Mailing Address: 1600 Royal Street, Jasper, Indiana 47549
Part 70 Permit No.: 037-7356-00100
Facility: Kimball Electronics, Inc. - PVA-S-05 and PVA-S-06
Parameter: Single HAP
Limit: Less than ten (10) tons of a single HAP per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ 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 Usage Report

Semi-Annual Report
VOC and VHAP Usage - Wood Furniture NESHAP

Source Name: Kimball International, Inc. – 15th Street Contiguous Source
Source Address: 1037 East 15th Street & 1450 Cherry Street, Jasper, IN 47549
Mailing Address: 1600 Royal Street, Jasper, Indiana 47549
Part 70 Permit No.: 037-7356-00100
Facility: flexcel – Jasper 15th Street - Wood Furniture Surface Coating Operations
Parameter: VOC and VHAPs - NESHAP
Limit:
(1) Finishing operations -1.0 lb VHAP/lb Solids
(2) Thinners used for on-site formulation of washcoats, basecoats and enamels - 3% VHAP content by weight
(3) All other thinners - 10% VHAP content by weight
(4) Foam adhesives meeting the upholstered seating flammability requirements - 1.8 lb VHAP/lb Solids
(5) All other contact adhesives - 1.0 lb VHAP/lb Solids
(6) Strippable spray booth material - 0.8 pounds VOC per pound solids

Year _____

Month	Finishing Operations (lb VHAP /lb Solid)	Thinners Used for On-Site Formulation (% by weight)	All Other Thinners (% by weight)	Foam Adhesives (upholstered) (lb VHAP/ lb Solid)	Contact Adhesives (lb VHAP/ lb Solid)	Strippable Spray Booth Material (lb VOC / lb Solid)
1						
2						
3						
4						
5						
6						

☐ 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 Usage Report

Semi-Annual Report
VOC and VHAP Usage - Wood Furniture NESHAP

Source Name: Kimball International, Inc. – 15th Street Contiguous Source
Source Address: 1180 East 16th Street, Jasper, IN 47549
Mailing Address: 1600 Royal Street, Jasper, Indiana 47549
Part 70 Permit No.: 037-7356-00100
Facility: flexcel – Jasper 16th Street - Wood Furniture Surface Coating Operations
Parameter: VOC and VHAPs - NESHAP
Limit:
(1) Finishing operations -1.0 lb VHAP/lb Solids
(2) Thinners used for on-site formulation of washcoats, basecoats and enamels - 3% VHAP content by weight
(3) All other thinners - 10% VHAP content by weight
(4) Foam adhesives meeting the upholstered seating flammability requirements - 1.8 lb VHAP/lb Solids
(5) All other contact adhesives - 1.0 lb VHAP/lb Solids
(6) Strippable spray booth material - 0.8 pounds VOC per pound solids

Year _____

Month	Finishing Operations (lb VHAP /lb Solid)	Thinners Used for On-Site Formulation (% by weight)	All Other Thinners (% by weight)	Foam Adhesives (upholstered) (lb VHAP/ lb Solid)	Contact Adhesives (lb VHAP/ lb Solid)	Strippable Spray Booth Material (lb VOC / lb Solid)
1						
2						
3						
4						
5						
6						

☐ 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

40 CFR 60 , Subpart EE Quarterly / Semi-Annual Report

Source Name: Kimball International, Inc. – 15th Street Contiguous Source
Source Address: 1037 East 15th Street & 1450 Cherry Street, Jasper, IN 47549
Mailing Address: 1600 Royal Street, Jasper, Indiana 47549
Part 70 Permit No.: 037-7356-00100
Facility: flexcel – Jasper 15th Street - Metal Furniture Surface Coating Operations (SB-28, SB-29)
Parameter: VOC
Limit: Discharge into the atmosphere of VOC emissions in excess of 0.90 kilogram of VOC per liter (7.5 pounds of VOC per gallon) of coating solids applied.

YEAR:

Month	# of Deviations	Cumulative # of Deviations
Month 1		
Month 2		
Month 3		
Month 4		
Month 5		
Month 6		

☐ No deviation occurred in the first quarter.

☐ No deviation occurred in the second quarter.

☐ Deviation/s occurred on (date): _____

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:	**Kimball International, Inc. – 15th Street Contiguous Source**, consisting of: flexcel – Jasper Cherry Street, flexcel – Jasper 16th Street, flexcel – Jasper 15th Street and Kimball Electronics, Inc.
Source Address:	1620 Cherry Street, 1650 Cherry Street, 1180 East 16th Street, 1037 East 15th Street, 1450 Cherry Street, 1038 East 15th Street, and Northwest corner of East 16th Street & Cherry Street, Jasper, IN 47549
Mailing Address:	1600 Royal Street, Jasper, Indiana 47549
Part 70 Permit No.:	037-7356-00100

Months: _____ to _____ Year: _____

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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".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ 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:	

Page 2 of 2

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

Addendum to the Technical Support Document for a Part 70 (Title V) Permit

Source Background and Description

Source Name:	Kimball International, Inc. – 15th Street Contiguous Source
Source Location:	1620 Cherry Street & 1650 Cherry Street, Jasper, IN 47549 1180 East 16th Street, Jasper, IN 47549 1037 East 15th Street & 1450 Cherry Street, Jasper, IN 47549 1038 East 15th Street & Northwest corner of East 16th Street & Cherry Street, Jasper, IN 47549
County:	Dubois
SIC Code:	2435, 2436 2517, 2511, 2531 2541, 2542 3714, 3577, 3679
Operation Permit No.:	037-7356-00100
Permit Reviewer:	ERG/ST

On February 17, 2006, the Office of Air Quality (OAQ) had a notice published in The Herald, Jasper, Indiana, stating that Kimball International, Inc. – 15th Street Contiguous Source had applied for a Part 70 (Title V) permit to operate four (4) manufacturing plants engaged in: (1) laminating hardwood veneers, softwood veneers and high pressure plastic laminates (HPL) onto particleboard and medium density fiberboard (MDF) products; (2) manufacturing medium and high end furniture, primarily for the lodging industry; (3) manufacturing high end wood office furniture and metal wall panels; and (4) assembly of printed circuits and electronic devices, with control. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On March 14, 2006, Kimball International, Inc. submitted comments on the proposed Part 70 (Title V) permit. The summary of the comments is as follows. Language in ~~strikeout~~ has been deleted and new language is in **bold**. The Table of Contents has been updated as necessary.

Comment 1:

The significant emission unit summary for the Kimball Electronics section in Section A.3 of the permit should be changed to match the actual equipment onsite as listed below. Also, the conformal coating stations, identified as PVA-S-05 and PVA-S-06 should be re-designated as CCU3 and CCU4.

Kimball Electronics, Inc.

(a) Six (6) circuit assembly stations as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Wave Solder	WSU1	3/1/1994	304
Fluxer	WSU1	8/1/1996	303
Wave Solder	WSU2	1/1/1998	202
Fluxer	WSU2	1/1/2001	201

Wave Solder	WSU3	2/1/1998	506
Fluxer	WSU3	10/18/2004	507
Wave Solder	WSU4	10/21/2000	711
Fluxer	WSU4	10/21/2000	711
Wave Solder	WSU5	1/1/1998	2001
Fluxer	WSU5	12/1/2002	2001
Wave Solder	WSU6	8/1/1994	2003
Fluxer	WSU6	12/1/2002	2003
Repair Wave Solder	WSU7	10/1/2000	206
Piller House Solder	WSU8	7/1/2001	505

(b) Three (3) Selective Solder Systems, as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Selective Solder/Fluxer	SSU1	12/31/2004	710
Selective Solder/Fluxer	SSU2	12/31/2004	709
Selective Solder/Fluxer	SSU3	12/14/2005	305

(c) Four (4) Conformal Coaters Systems, as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Coater	CCU1	12/30/1997	2012
Coater	CCU2	2/1/2000	508
Coater	CCU3	12/30/2003	712
Coater	CCU4	12/30/2003	713

Response to Comment 1:

The permit has been changed as follows:

A.3 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:
. . .
Kimball Electronics, Inc.

~~(a) Four (4) circuit assembly stations as described in the table below:~~

~~Emission Unit~~	~~Unit ID~~	~~Installation Date~~	~~Stack/Vent IDs~~
~~Wave Solder/ Fluxer~~	~~WSU6~~	~~1978~~	~~S14~~
~~Wave Solder/ Fluxer~~	~~WSU7~~	~~1978~~	~~S24~~
~~Wave Solder/ Fluxer~~	~~WSU8~~	~~1988~~	~~S33~~
~~Wave Solder/ Fluxer~~	~~WSU9~~	~~1988~~	~~S32~~

~~(b) One (1) Conformal Coater, identified as CC2, constructed in 1991, with a maximum capacity of 240 units per hour, applying coatings to plastic, ceramic, metal and fiberglass/epoxy composites, using dipping application methods, with particulate emissions controlled by dry filter, and exhausting to stack 11.~~

~~(c) One (1) Conformal Coating Process, identified as CC3, constructed in 1997, with a maximum flow rate of 5 milliliters per minute of coating, using one (1) laboratory electric curing oven, identified as LO130, and exhausting to stack 130.~~

~~(d) Two (2) selective soldering stations, identified as SS1 and SS2, and exhausting to stack 93.~~

~~(e) Two (2) PVA 2000 selective conformal coating systems, identified as PVA-S-05 and PVA-S-06, constructed in 2003, with a total maximum capacity of 265 units per hour and exhausting to stacks PVA-S-05 and PVA-S-06, respectively.~~

~~(f) Two (2) Model PVA 2000 Conformal Coating Units, identified as PVA-7 and PVA-8, constructed in 2004, each with a maximum application rate of 0.104 gallons per hour.~~

~~(g) Two (2) Econopak I SMT Wavesoldering systems, constructed in 1994, with a maximum capacity of 450 pounds per hour of printed circuit boards, and exhausting to stacks 42 and 43.~~

(a) Six (6) circuit assembly stations as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Wave Solder	WSU1	3/1/1994	304
Fluxer	WSU1	8/1/1996	303
Wave Solder	WSU2	1/1/1998	202
Fluxer	WSU2	1/1/2001	201
Wave Solder	WSU3	2/1/1998	506
Fluxer	WSU3	10/18/2004	507
Wave Solder	WSU4	10/21/2000	711
Fluxer	WSU4	10/21/2000	711
Wave Solder	WSU5	1/1/1998	2001
Fluxer	WSU5	12/1/2002	2001
Wave Solder	WSU6	8/1/1994	2003
Fluxer	WSU6	12/1/2002	2003
Repair Wave Solder	WSU7	10/1/2000	206
Piller House Solder	WSU8	7/1/2001	505

(b) Three (3) Selective Solder Systems, as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Selective Solder/Fluxer	SSU1	12/31/2004	710
Selective Solder/Fluxer	SSU2	12/31/2004	709
Selective Solder/Fluxer	SSU3	12/14/2005	305

(c) Four (4) Conformal Coaters Systems, as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Coater	CCU1	12/30/1997	2012
Coater	CCU2	2/1/2000	508
Coater	CCU3	12/30/2003	712
Coater	CCU4	12/30/2003	713

SECTION D.11 FACILITY OPERATION CONDITIONS

~~**Facility Description: Conformal Coaters, Soldering: Kimball Electronics, Inc.:**~~

~~(a) Four (4) circuit assembly stations as described in the table below:~~

~~Emission Unit~~	~~Unit ID~~	~~Installation Date~~	~~Stack/Vent IDs~~
~~Wave Solder/ Fluxer~~	~~WSU6~~	~~1978~~	~~S14~~
~~Wave Solder/ Fluxer~~	~~WSU7~~	~~1978~~	~~S24~~
~~Wave Solder/ Fluxer~~	~~WSU8~~	~~1988~~	~~S33~~
~~Wave Solder/ Fluxer~~	~~WSU9~~	~~1988~~	~~S32~~

~~(b) One (1) Conformal Coater, identified as CC2, constructed in 1991, with a maximum capacity of 240 units per hour, applying coatings to plastic, ceramic, metal and fiberglass/epoxy composites, using dipping application methods, with particulate emissions controlled by dry filter, and exhausting to stack 11.~~

~~(c) One (1) Conformal Coating Process, identified as CC3, constructed in 1997, with a maximum flow rate of 5 milliliters per minute of coating, using one (1) laboratory electric curing oven, identified as LO130, and exhausting to stack 130.~~

~~(d) Two (2) selective soldering stations, identified as SS1 and SS2, and exhausting to stack 93.~~

~~(e) Two (2) PVA 2000 selective conformal coating systems, identified as PVA-S-05 and PVA-S-06, constructed in 2003, with a total maximum capacity of 265 units per hour and exhausting to stacks PVA-S-05 and PVA-S-06, respectively.~~

~~(f) Two (2) Model PVA 2000 Conformal Coating Units, identified as PVA-7 and PVA-8, constructed in 2004, each with a maximum application rate of 0.104 gallons per hour.~~

~~(g) Two (2) Econopak I SMT Wavesoldering systems, constructed in 1994, with a maximum capacity of 450 pounds per hour of printed circuit boards, and exhausting to stacks 42 and 43.~~

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

SECTION D.11 FACILITY OPERATION CONDITIONS

Facility Description: Conformal Coaters, Soldering: Kimball Electronics, Inc.:

(a) Six (6) circuit assembly stations as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Wave Solder	WSU1	3/1/1994	304
Fluxer	WSU1	8/1/1996	303
Wave Solder	WSU2	1/1/1998	202
Fluxer	WSU2	1/1/2001	201
Wave Solder	WSU3	2/1/1998	506
Fluxer	WSU3	10/18/2004	507
Wave Solder	WSU4	10/21/2000	711
Fluxer	WSU4	10/21/2000	711
Wave Solder	WSU5	1/1/1998	2001
Fluxer	WSU5	12/1/2002	2001
Wave Solder	WSU6	8/1/1994	2003
Fluxer	WSU6	12/1/2002	2003
Repair Wave Solder	WSU7	10/1/2000	206
Piller House Solder	WSU8	7/1/2001	505

(b) Three (3) Selective Solder Systems, as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Selective Solder/Fluxer	SSU1	12/31/2004	710
Selective Solder/Fluxer	SSU2	12/31/2004	709
Selective Solder/Fluxer	SSU3	12/14/2005	305

(c) Four (4) Conformal Coaters Systems, as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Coater	CCU1	12/30/1997	2012
Coater	CCU2	2/1/2000	508
Coater	CCU3	12/30/2003	712
Coater	CCU4	12/30/2003	713

(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.11.1 Particulate Matter Emission Limitations [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2), particulate matter emissions from **the circuit assembly stations (WSU1, WSU2, WSU3, WSU4, WSU5, WSU6, WSU7, and WSU8), the selective solder systems (SSU1, SSU2, and SSU3), and the conformal coating systems (CCU1, CCU2, CCU3, and CCU4)** ~~WSU6, WSU7, WSU8, WSU9, CC2, CC3, PVA-S-05, PVA-S-06, PVA-7, PVA-8, SS1, SS2, and the Econopak I SMT Wavesoldering systems~~ shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.

D.11.2 HAP Limitation [326 IAC 2-7-10.5] [326 IAC 2-4.1]

Pursuant to 326 IAC 2-7-10.5(d)(5) and Minor Source Modification 037-17162-00100, issued on May 28, 2003, the total usage of a single HAP (Toluene) in the two (2) PVA 2000 selective conformal coating systems, identified as ~~PVA-S-05 and PVA-S-06~~ **CCU3 and CCU4**, shall be limited to less than ten (10) tons per twelve consecutive month period, with compliance determined at the end of each month. Compliance with this limit makes the requirements of 326 IAC 2-4.1 and the requirements of 326 IAC 2-7-10.5(f) not applicable.

. . .

No changes have been made to the TSD because the OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

Comment 2:

In the insignificant emission unit summary for the Kimball Electronics section in Section A.4 of the permit, the stack ID for the Composite Milling Operation should be 401. Also, the PWB router station should be removed and the following existing units added to match the actual equipment onsite.

(b) Twenty-four (24) ovens, as described in the following table:

Insignificant Unit	Unit ID	Installation Date	Stack ID
Thermal Cycle Oven	OVU1	1/1/1992	306
Heat Curing Oven	OVU2	6/1/1997	215
Reflow Oven	OVU3	9/1/1994	216
Reflow Oven	OVU4	7/1/1996	218
Heat Curing Oven	OVU5	6/1/1999	501
Heat Curing Oven	OVU6	6/1/1999	502
Reflow Oven	OVU7	12/1/1998	503
Reflow Oven	OVU8	12/1/1998	504
Heat Curing Oven	OVU9	2/1/2000	511
Heat Curing Oven	OVU10	2/1/2000	511
Heat Curing Oven	OVU11	12/1/2000	903
Reflow Oven	OVU12	12/31/2004	715
Reflow Oven	OVU13	12/31/2004	716
IHT Hot test Oven	OVU14	6/30/2005	749
Heat Curing Oven	OVU15	6/1/2003	720
Heat Curing Oven	OVU16	12/1/1993	721
Heat Curing Oven	OVU17	1/31/2004	736
Heat Curing Oven	OVU18	1/31/2004	737
Reflow Oven	OVU19	10/1/2000	738
Reflow Oven	OVU20	11/1/1999	741
Reflow Oven	OVU21	1/1/1998	2002
Reflow Oven	OVU22	11/1/1995	2004
Thermal Cycle Oven	OVU23	10/1/1999	2013
Heat Curing Oven	OVU24	11/30/2000	509

(c) Three (3) washers, as described in the following table:

Insignificant Unit	Unit ID	Installation Date	Stack ID
Aqueous Cleaner	ACU1	3/1/1994	801
Aqueous Cleaner	ACU2	8/1/1993	2010
Aqueous Cleaner	ACU3	12/1/1999	2011

(d) Other insignificant activities, as described in the following table:

Insignificant Unit	Unit ID	Installation Date	Stack ID
Evaporator	EU1	12/1/1998	2006
Test Chamber	CU1	3/31/2005	2015

Response to Comment 2:

IDEM has revised the stack ID for the Composite Milling Operation and deleted the PWD Router Station as requested by the Permittee. The ovens, washers, evaporator and test chamber are not subject to any specific state or federal rules. However, at the request of the Permittee, IDEM has included these units in Section A.4 and Section D.12 of the permit. IDEM has revised the title and first sentence of Section A.4 to more accurately reflect the contents of this section. The permit has been changed as follows:

A.4 ~~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):

. . .

Kimball Electronics, Inc.

(a) One (1) composite milling operation used for milling metal and plastic, with particulate emissions controlled by a cyclone (DC-1), and exhausting to stack ~~H01~~ **401**. [326 IAC 6.5-1-2]

~~(b) One (1) PWB router station, identified as PWB, with particulate emissions controlled by a filter cartridge (DC-2), and exhausting to stack 96. [326 IAC 6.5-1-2]~~

(b) Twenty-four (24) ovens, as described in the following table:

Insignificant Unit	Unit ID	Installation Date	Stack ID
Thermal Cycle Oven	OVU1	1/1/1992	306
Heat Curing Oven	OVU2	6/1/1997	215
Reflow Oven	OVU3	9/1/1994	216
Reflow Oven	OVU4	7/1/1996	218
Heat Curing Oven	OVU5	6/1/1999	501
Heat Curing Oven	OVU6	6/1/1999	502
Reflow Oven	OVU7	12/1/1998	503
Reflow Oven	OVU8	12/1/1998	504
Heat Curing Oven	OVU9	2/1/2000	511
Heat Curing Oven	OVU10	2/1/2000	511
Heat Curing Oven	OVU11	12/1/2000	903
Reflow Oven	OVU12	12/31/2004	715
Reflow Oven	OVU13	12/31/2004	716
IHT Hot test Oven	OVU14	6/30/2005	749
Heat Curing Oven	OVU15	6/1/2003	720
Heat Curing Oven	OVU16	12/1/1993	721
Heat Curing Oven	OVU17	1/31/2004	736
Heat Curing Oven	OVU18	1/31/2004	737
Reflow Oven	OVU19	10/1/2000	738
Reflow Oven	OVU20	11/1/1999	741
Reflow Oven	OVU21	1/1/1998	2002
Reflow Oven	OVU22	11/1/1995	2004
Thermal Cycle Oven	OVU23	10/1/1999	2013
Heat Curing Oven	OVU24	11/30/2000	509

(c) Three (3) washers, as described in the following table:

Insignificant Unit	Unit ID	Installation Date	Stack ID
Aqueous Cleaner	ACU1	3/1/1994	801
Aqueous Cleaner	ACU2	8/1/1993	2010
Aqueous Cleaner	ACU3	12/1/1999	2011

(d) One (1) evaporator, identified as EU1, constructed in December 1998, and exhausting to stack 2006.

(e) One (1) Test Chamber, identified as CU1, constructed in March 2005, and exhausting to stack 2015.

SECTION D.12 FACILITY OPERATION CONDITIONS

Facility Description: Insignificant Activities: Kimball Electronics, Inc.

(a) One (1) composite milling operation used for milling metal and plastic, with particulate emissions controlled by a cyclone (DC-1), and exhausting to stack ~~H01~~ **401**. [326 IAC 6.5-1-2]

~~(b) One (1) PWB router station, identified as PWB, with particulate emissions controlled by a filter cartridge (DC-2), and exhausting to stack 96. [326 IAC 6.5-1-2]~~

(b) Twenty-four (24) ovens, as described in the following table:

Insignificant Unit	Unit ID	Installation Date	Stack ID
Thermal Cycle Oven	OVU1	1/1/1992	306
Heat Curing Oven	OVU2	6/1/1997	215
Reflow Oven	OVU3	9/1/1994	216
Reflow Oven	OVU4	7/1/1996	218
Heat Curing Oven	OVU5	6/1/1999	501
Heat Curing Oven	OVU6	6/1/1999	502
Reflow Oven	OVU7	12/1/1998	503
Reflow Oven	OVU8	12/1/1998	504
Heat Curing Oven	OVU9	2/1/2000	511
Heat Curing Oven	OVU10	2/1/2000	511
Heat Curing Oven	OVU11	12/1/2000	903
Reflow Oven	OVU12	12/31/2004	715
Reflow Oven	OVU13	12/31/2004	716
IHT Hot test Oven	OVU14	6/30/2005	749
Heat Curing Oven	OVU15	6/1/2003	720
Heat Curing Oven	OVU16	12/1/1993	721
Heat Curing Oven	OVU17	1/31/2004	736
Heat Curing Oven	OVU18	1/31/2004	737
Reflow Oven	OVU19	10/1/2000	738
Reflow Oven	OVU20	11/1/1999	741
Reflow Oven	OVU21	1/1/1998	2002
Reflow Oven	OVU22	11/1/1995	2004
Thermal Cycle Oven	OVU23	10/1/1999	2013
Heat Curing Oven	OVU24	11/30/2000	509

(c) Three (3) washers, as described in the following table:

Insignificant Unit	Unit ID	Installation Date	Stack ID
Aqueous Cleaner	ACU1	3/1/1994	801
Aqueous Cleaner	ACU2	8/1/1993	2010
Aqueous Cleaner	ACU3	12/1/1999	2011

(d) One (1) evaporator, identified as EU1, constructed in December 1998, and exhausting to stack 2006.

(e) One (1) Test Chamber, identified as CU1, constructed in March 2005, and exhausting to stack 2015.

(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.12.1 Particulate [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2), the allowable PM emission rate from the composite milling operation ~~and the PWB router station, identified as PWB,~~ shall not exceed three-hundredths (0.03) grain per dry standard cubic foot of outlet air.

Compliance Determination Requirement

D.12.2 Particulate Control [326 IAC 2-7-6(6)]

Except as otherwise provided by statute, rule, or this permit, and in order to comply with D.12.1, the cyclone ~~and bag filter~~ for particulate control shall be in operation and control emissions from the composite milling operation ~~and the PWB router station (PWB)~~ at all times that the composite milling operation ~~and the PWB router station are~~ **is** in operation.

No changes have been made to the TSD because the OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

Comment 3:

In Condition D.3.2 of the permit, the word “input” should be replaced with the word “emissions”.

Response to Comment 3:

Condition D.3.2 limits the input of VOC to booth SB-3A to less than 25 tons per year, which makes the requirements of 326 IAC 8-1-6 not applicable to this emissions unit. For determining compliance with the rule, it is assumed that the input of VOC in the materials used in the booth is equivalent to the emissions of VOC from the booth. As the Permittee has not done stack testing on this booth, there is no information available to show that emissions are not equivalent to input. No changes were made as a result of this comment.

Comment 4:

The VOC limits in Conditions D.9.2 and D.9.9 of the permit appear to be contradictory. In Condition D.9.2, the VOC limitation for Booths SB-28 and SB-29 are listed as 7.5 pounds of VOC per gallon of coating solids applied, whereas Condition D.9.9 states that the limitation is 3.0 pounds of VOC per gallon as delivered to the applicator. Please clarify these two statements. Clarification is requested on these two items and also to verify if these should be listed as VOC’s or HAP’s.

Response to Comment 4:

Condition D.9.2 specifies the requirements for the metal furniture surface coating operations SB-28 and SB-29 under the New Source Performance Standard for Surface Coating of Metal Furniture [40 CFR 60, Subpart EE]. The limit is expressed in terms of pounds of VOC per gallon of coating solids, as applied. The VOC limit includes any thinners or solvents used in these operations. The NSPS regulates the use and emissions of VOCs. Condition D.9.9 specifies the requirements for the metal furniture surface coating operations SB-28 and SB-29 under 326 IAC 8-2-6 (Volatile Organic Compounds: Metal Furniture Coating Operations). The limit is expressed in terms of pounds of VOC per gallon of coating, less water, as delivered to the applicator. This VOC limit includes any thinners or solvents used in these operations. 326 IAC 8-2-6 regulates the use and emissions of VOCs. The Permittee is required to comply with both limits. In the event that one of these limits is more stringent, then the Permittee shall comply with the more stringent limit. The NSPS and the State rule do not specifically regulate use or emissions of

HAPs, except that, if the HAP is a VOC, then it is counted towards the total VOC content of the coating. No change was made as a result of this comment.

Upon further review, IDEM has decided to make the following change:

1. IDEM has decided to remove paragraph (d) concerning nonroad engines from Condition B.17 Permit Amendment or Modification. 40 CFR 89, Appendix A specifically indicates that states are not precluded from regulating the use and operation of nonroad engines, such as regulations on hours of usage, daily mass emission limits, or sulfur limits on fuel; nor are permits regulating such operations precluded, once the engine is no longer new.

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

. . .

~~(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.~~

Indiana Department of Environmental Management
Office of Air Quality
Technical Support Document (TSD) for a Part 70 Operating Permit

Source Background and Description

Source Name:	Kimball International, Inc. – 15th Street Contiguous Source
Source Location:	1620 Cherry Street & 1650 Cherry Street, Jasper, IN 47549 1180 East 16th Street, Jasper, IN 47549 1037 East 15th Street & 1450 Cherry Street, Jasper, IN 47549 1038 East 15th Street & Northwest corner of East 16th Street & Cherry Street, Jasper, IN 47549
County:	Dubois
SIC Code:	2435, 2436 2517, 2511, 2531 2541, 2542 3714, 3577, 3679
Operation Permit No.:	037-7356-00100
Permit Reviewer:	ERG/ST

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit application from Kimball International, Inc. for the 15th Street Contiguous Source, which consists of four (4) manufacturing plants. These plants are used for: (1) laminating hardwood veneers, softwood veneers and high pressure plastic laminates (HPL) onto particleboard and medium density fiberboard (MDF) products; (2) manufacturing medium and high end furniture, primarily for the lodging industry; (3) manufacturing high end wood office furniture and metal wall panels; and (4) assembly of printed circuits and electronic devices.

Source Definition

The Kimball International, Inc. – 15th Street Contiguous Source consists of the following four (4) plants:

(a) flexcel – Jasper Cherry Street (also known as Jasper Laminates) is located at 1620 Cherry Street & 1650 Cherry Street, Jasper, IN 47549;

(b) flexcel – Jasper 16th Street (also known as Jasper Furniture) is located at 1180 East 16th Street, Jasper, IN 47549;

(c) flexcel – Jasper 15th Street (also known as Artec Manufacturing) is located at 1037 East 15th Street & 1450 Cherry Street, Jasper, IN 47549; and

(d) Kimball Electronics, Inc. is located at 1038 East 15th Street & Northwest corner of East 16th Street & Cherry Street, Jasper, IN 47549

The four (4) plants are owned and operated by Kimball International, Inc. and are located on contiguous properties. IDEM, OAQ has determined that these four (4) plants are considered to be one (1) source.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

flexcel- Jasper Cherry Street:

(a) Two (2) surface coating booths, identified as SB-2A and SB-3A, constructed in 1989 and 1987, respectively, each with maximum capacities of 595 square feet of particleboard, plastic laminate or veneer per hour, using hot melt glue and rolling application methods, with particulate emissions controlled by dry filters, and exhausting at stacks SB-2 and SB-3, respectively.

(b) Two (2) boilers, consisting of the following:

(1) One (1) wood-fired (firetube) boiler, identified as B-1A, constructed in 1995, with a maximum heat input capacity of 20.5 MMBtu per hour, with a centrifugal collector (cyclone) for particulate control, and exhausting at stack S1.

(2) One (1) natural gas-fired (firetube) boiler used as back-up and equipped to burn only natural gas, identified as B-2A, constructed in 1996, rated at 16.8 MMBtu per hour, and exhausting at stack S2.

flexcel- Jasper 16th Street:

(a) Thirty (30) spray booths for wood furniture and panel coating, each equipped with HVLP or air assisted airless spray guns, as described below:

Spray Booth	Unit ID	Installation Date	Type of Control	# of Stacks	Stack/Vent IDs
WOOD FINISH SPRAY BOOTH	1AB	1988	Filter	2	1AB
WOOD FINISH SPRAY BOOTH	2A	1978	Filter	1	2A
WOOD FINISH SPRAY BOOTH	3AB	1978	Water Pan	2	3AB
WOOD FINISH SPRAY BOOTH	4AB	1978	Water Pan	2	4AB
WOOD FINISH SPRAY BOOTH	5AB	1978	Water Pan	2	5AB
WOOD FINISH SPRAY BOOTH	6A	1978	Water Pan	1	6A
WOOD FINISH SPRAY BOOTH	7AB	1978	Filter	2	7AB
WOOD FINISH SPRAY BOOTH	8AB	1988	Baffle	2	8AB
WOOD FINISH SPRAY BOOTH	9AB	1988	Baffle	2	9AB
WOOD FINISH SPRAY BOOTH	10A	Modified in 2003	Filter	1	10A
WOOD FINISH SPRAY BOOTH	11AB	1977	Water Pan	2	11AB
WOOD FINISH SPRAY BOOTH	12A	1977	Filter	1	12A
WOOD FINISH SPRAY BOOTH	13A	Modified in 2003	Filter	2	13A
WOOD FINISH SPRAY BOOTH	14A	1977	Water Pan	1	14A
WOOD FINISH SPRAY BOOTH	15AB	1977	Water Pan	2	15AB
WOOD FINISH SPRAY BOOTH	16A	1977	Water Pan	1	16A
WOOD FINISH SPRAY BOOTH	17AB	1988	Filter	2	17AB
WOOD FINISH SPRAY BOOTH	18A	1977	Water Pan	1	18A
WOOD FINISH SPRAY BOOTH	19AB	1977	Water Pan	2	19AB
WOOD FINISH SPRAY BOOTH	20A	1977	Water Pan	1	20A
WOOD FINISH SPRAY BOOTH	21AB	1977	Water Pan	2	21AB
WOOD FINISH SPRAY BOOTH	22A	1977	Water Pan	1	22A
WOOD FINISH SPRAY BOOTH	23AB	1977	Water Pan	2	23AB
WOOD FINISH SPRAY BOOTH	24AB	1977	Water Pan	2	24AB
WOOD FINISH SPRAY BOOTH	25A	1977	Water Pan	1	25A
WOOD FINISH SPRAY BOOTH	26A	1977	Water Pan	1	26A
WOOD FINISH SPRAY BOOTH	28A	1987	Baffle	1	28A
WOOD FINISH SPRAY BOOTH	29A	1988	Baffle	1	29ABC
WOOD FINISH SPRAY BOOTH	29B	1988	Baffle	1	
WOOD FINISH SPRAY BOOTH	29C	1988	Filter	1	

(b) Two (2) boilers, consisting of the following:

(1) One (1) wood waste-fired (firetube) boiler, identified as B-1B, constructed in 1977, with a maximum heat input capacity of 25.1 MMBtu per hour, with a fly ash collector for particulate control, and exhausting to stack S1.

(2) One (1) natural gas-fired (firetube) boiler equipped to burn only natural gas, identified as B-2B, constructed in 1977, with a maximum heat input capacity of 16.7 MMBtu per hour, and exhausting at stack S2.

flexcel- Jasper 15th Street:

(a) Thirty-four (34) surface coating booths for wood furniture, and metal panel coating, as described in the following table:

Spray Booth	Unit IDs	Installation Date	Type of Control	Application Method	# of Stacks	Stack/Vent IDs
WOOD SPRAY BOOTH	SB-1	1970	Water Pan	WOOD FURNITURE NESHAP COMPLIANT	1	1
WOOD SPRAY BOOTH	SB-2	1998	Filter		2	2
WOOD SPRAY BOOTH	SB-3	1970	Water Pan		2	3AB
WOOD SPRAY BOOTH	SB-4	1970	Filter		2	4AB
WOOD SPRAY BOOTH	SB-5	2004	Filter		3	5ABC
WOOD SPRAY BOOTH	SB-6	1970	Water Pan		1	6
WOOD SPRAY BOOTH	SB-7	1983	Water Pan		2	7AB
WOOD SPRAY BOOTH	SB-8	1970	Filter		1	8
WOOD SPRAY BOOTH	SB-9	2004	Filter		2	9AB
WOOD SPRAY BOOTH	SB-10AB	1970	Filter		2	10AB
WOOD SPRAY BOOTH	SB-11	1970	Water Pan		1	11
WOOD SPRAY BOOTH	SB-12R	Modified in 2002	Water Pan		2	12R
WOOD SPRAY BOOTH	SB-13	1970	Filter		1	13
WOOD SPRAY BOOTH	SB-14R	Modified in 2002	Water Pan		2	14R
WOOD SPRAY BOOTH	SB-15	2004	Filter		1	15
WOOD SPRAY BOOTH	SB-16	1998	Filter		2	16ABC
WOOD SPRAY BOOTH	SB-17R	Modified in 2002	Water Pan		2	17R
WOOD SPRAY BOOTH	SB-18	2004	Filter		2	18AB
WOOD SPRAY BOOTH	SB-19	1998	Filter		2	19AB
WOOD SPRAY BOOTH	SB-20R	Modified in 2002	Water Pan		2	20R
WOOD SPRAY BOOTH	SB-21R	Modified in 2002	Filter		2	21R
WOOD SPRAY BOOTH	SB-23	1979	Filter		1	23
WOOD SPRAY BOOTH	SB-24	1979	Filter		1	24
WOOD SPRAY BOOTH	SB-26	1979	Baffle		1	26
METAL PAINT BOOTH H.S. Paints	SB-27	1979	Filter	Electrostatic Airless	1	27
METAL PAINT BOOTH H.S. Paints	SB-28	1987	Filter		1	28
METAL PAINT BOOTH H.S. Paints	SB-29	1987	Filter		1	29AB
METAL PAINT BOOTH H.S. Paints	SB-30	1978	Filter	Electrostatic Disc	1	30
WOOD SPRAY BOOTH	SB-32	1989	Baffle	WOOD FURNITURE NESHAP COMPLIANT	2	32
WOOD SPRAY BOOTH	SB-33	1989	Baffle		2	33
WOOD SPRAY BOOTH	SB-37	1992	Filter		1	37
Dip Tank	DT-22	1990	Water pan	n/a	1	22
Dip Tank	DT-25	1979	Filter	n/a	1	25
Dip Tank	DT-38	1992	Filter	n/a	1	38

NOTE: One (1) additional non-spraying sidedraft flash tunnel, identified as SB-9SDFT, constructed in 2004, installed adjacent to and working in tandem with SB-9 above, with no particulate or VOC emissions, using no controls and exhausting to stacks 9AB

(b) Two (2) boilers, consisting of the following:

(1) One (1) wood waste-fired boiler (Brownnell HRT, firetube), identified as B-1C, constructed in 1961, with a maximum heat input capacity of 14.3 MMBtu per hour, with an 80% efficient fly ash collector for particulate control, and exhausting at stack BS-1.

(2) One (1) natural gas-fired boiler (North American Atlas, firetube) using No.2 fuel oil as emergency back-up fuel, identified as B-2C, constructed in 1971, with a maximum heat input capacity of 16.8 MMBtu per hour, and exhausting at stack BS-2.

Kimball Electronics, Inc.

(a) Four (4) circuit assembly stations as described in the table below:

Emission Unit	Unit ID	Installation Date	Stack/Vent IDs
Wave Solder/ Fluxer	WSU6	1978	S14
Wave Solder/ Fluxer	WSU7	1978	S24
Wave Solder/ Fluxer	WSU8	1988	S33
Wave Solder/ Fluxer	WSU9	1988	S32

(b) One (1) Conformal Coater, identified as CC2, constructed in 1991, with a maximum capacity of 240 units per hour, applying coatings to plastic, ceramic, metal and fiberglass/epoxy composites, using dipping application methods, with particulate emissions controlled by dry filter, and exhausting to stack 11.

(c) One (1) Conformal Coating Process, identified as CC3, constructed in 1997, with a maximum flow rate of 5 milliliters per minute of coating, using one (1) laboratory electric curing oven, identified as LO130, and exhausting to stack 130.

(d) Two (2) selective soldering stations, identified as SS1 and SS2, and exhausting to stack 93.

(e) Two (2) PVA 2000 selective conformal coating systems, identified as PVA-S-05 and PVA-S-06, constructed in 2003, with a total maximum capacity of 265 units per hour and exhausting to stacks PVA-S-05 and PVA-S-06, respectively.

(f) Two (2) Model PVA 2000 Conformal Coating Units, identified as PVA-7 and PVA-8, constructed in 2004, each with a maximum application rate of 0.104 gallons per hour.

(g) Two (2) Econopak I SMT Wavesoldering systems, constructed in 1994, with a maximum capacity of 450 pounds per hour of printed circuit boards, and exhausting to stacks 42 and 43.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units operating at this source during this review process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

flexcel – Jasper Cherry Street

(a) Insignificant woodworking operations, meeting the definition of "insignificant woodworking operation" specified in 326 IAC 2-7-1(21)(G)(xxix), with a maximum capacity of 2.54 tons per hour of wood, laminate and veneer, controlled by six (6) baghouses, as follows:

Baghouse/Stack ID	Max. Flow Rate (scfm)	Outlet Grain Loading (gr/scf)
TD1 (formerly MR1A)	70,000	Less than 0.001
TD2	50,000	Less than 0.001
TD3 (formerly MR1B)	14,500	Less than 0.001
TD4	63,000	Less than 0.001
TD5	62,970	Less than 0.001
TD6	62,970	Less than 0.0001

Each baghouse exhausts either through a stack or into the building and then to general ventilation, depending upon seasonal heating requirements. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-4]

flexcel – Jasper 16th Street

(a) One (1) insignificant woodworking operation, identified as MV, meeting the definition of "insignificant woodworking operation" specified in 326 IAC 2-7-1(21)(G)(xxix), controlled by one (1) baghouse (MV) having an exhaust rate of 78,385 scfm and an outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting at stack MV. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

(b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, consisting of:

(1) Seven (7) natural gas-fired air make up units, identified as AMU-1 through AMU-7, constructed in 1998, rated at 3, 3, 4, 4, 5, 5, and 6 MMBtu per hour, respectively, with each unit venting inside the building and then to general ventilation.

(2) Two (2) 1.075 MMBTU/hr natural gas-fired air makeup units, used in conjunction with spray booths 10A and 13A, with each unit venting inside the building and then to general ventilation.

(c) One (1) diptank, constructed in 2003, with a maximum capacity of 135 gallons of waterbased dip per year.

(d) One (1) electric oven for drying finish, constructed in 2005

flexcel- Jasper 15th Street:

(a) One (1) enclosed powder coating booth, identified as PB #1, constructed in 2003, with a maximum capacity of 40 pounds of powder per hour, having no VOC or HAP emissions, using dry filters for particulate control, and exhausting to stack PB # 1. [326 IAC 6.5-1-2]

(b) Three (3) insignificant woodworking operations, meeting the definition of "insignificant woodworking operation" specified in 326 IAC 2-7-1(21)(G)(xxix), as follows:

(1) One (1) insignificant woodworking operation, identified as MD, constructed prior to 1980, with a maximum process weight rate of 993 pounds of wood per hour, controlled by a baghouse (MD) with a maximum air flow rate of 76,800 scfm and a outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting to stack MD. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

(2) One (1) insignificant woodworking operation, identified as CD-1, constructed prior to 1980, with a maximum process weight rate of 993 pounds of wood per hour, controlled by a baghouse (CD-1) with a maximum air flow rate of 45,000 scfm and a outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting to stack CD-1. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

(3) One (1) insignificant woodworking operation, identified as T-1, constructed prior to 1980, with a maximum process weight rate of 834 pounds of wood per hour,

controlled by a baghouse (T-1) with a maximum air flow rate of 61,000 scfm and a outlet grain loading of less than 0.001 grain per dry standard cubic foot, and exhausting to stack T-1. [326 IAC 2-7-1(21)(G)(xxix)] [326 IAC 6.5-1-2]

(c) Emissions from research and development activities and emissions from a laboratory, as defined in 326 IAC 2-7-1(21)(E) and 326 IAC 2-7-1(21)(D), including the following:

(1) Two (2) Kimball Color Studios Samples Spray Booth, constructed in 1983, identified as SB-34 and SB-35, using HVLP or airless application methods, with emissions controlled by dry filter, and exhausting to stacks 34 and 35, respectively. [326 IAC 6.5-1-2]

(2) One (1) Kimball Color Studios Dip Tank, constructed in 1983, identified as DT-36, using dip and drain application methods, with emissions controlled by dry filter, and exhausting to stack 36.

(d) Activities with VOC emissions less than 3 lb/hr or 15 lb/day, consisting of one (1) pyrolysis furnace rated at 0.4 MMBtu per hour, identified as BO-3, constructed in 2003, using an afterburner for control and exhausting to stack BO-3. [326 IAC 4-2-2].

(e) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, consisting of the following:

(1) Thirteen (13) air make up units, identified as AMU-1 through AMU-13, with a maximum heat input capacity of approximately 1.5 MMBtu/hr per unit average, with emissions exhausting inside the building and then to general ventilation.

(2) Two (2) natural gas-fired air make-up units, identified as AMU-15 and AMU-16, constructed in 1998, each with a maximum heat input capacity of 2.81 MMBtu/hr, with emissions exhausting inside the building and then to general ventilation.

(3) Two (2) natural gas-fired air make-up units, constructed in 2004, each with a maximum heat input capacity of 1.3 MMBtu/hr, with emissions exhausting inside the building and then to general ventilation.

(4) Two (2) natural gas-fired air make-up units, constructed in 2004, each with a maximum heat input capacity of 4.4 MMBtu/hr, with emissions exhausting inside the building and then to general ventilation.

(5) Two (2) natural gas-fired curing ovens, identified as PCO #1 and PCO #2, constructed in 2003, each with a maximum heat input capacity of 1.0 MMBtu/hr, and exhausting through stacks DO #1 and DO #2, respectively.

(6) Three (3) natural gas-fired drying ovens (Eclipse) equipped to burn only natural gas, identified as ECLIPSE 1, ECLIPSE 2, and ECLIPSE 3, constructed in 1998, each with a maximum heat input capacity of 1.5 MMBtu per hour, and exhausting at heat stack.

(f) Operations using aqueous solutions containing less than or equal to one percent (1%) by weight of VOCs excluding HAPs, with VOC emissions less than 3 lb/hr or 15 lb/day VOC, including:

(1) One (1) water based metal wash booth, identified as WB #1, constructed in 2003, with a capacity of 1000 miscellaneous metal parts per hour, having no particulate, VOC or HAP emissions, exhausting to stacks PCO #3 and PCO #4.

(2) One (1) portable metal parts cleaning dip tank used in a variety of booths, constructed in 1992, using water-based solvents, and exhausting to the booth stack where it is in use.

(3) Two (2) industrial washers, identified as IW-1, and IW-2, having no particulate, VOC or HAP emissions.

Kimball Electronics, Inc.

(a) One (1) composite milling operation used for milling metal and plastic, with particulate emissions controlled by a cyclone (DC-1), and exhausting to stack H01. [326 IAC 6.5-1-2]

(b) One (1) PWB router station, identified as PWB, with particulate emissions controlled by a filter cartridge (DC-2), and exhausting to stack 96. [326 IAC 6.5-1-2]

(c) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, consisting of five (5) natural gas-fired water heaters, identified as BB1 through BB5, ranging from under 1 MMBtu per hour to 2.5 MMBtu per hour, and exhausting to stacks 50, 98, H03, H09 and H10.

(d) Activities with emissions equal to or less than the following thresholds: 5 lb/hr or 25 lb/day PM; 5 lb/hr or 25 lb/day SO_2; 5 lb/hr or 25 lb/day NOx; 3 lb/hr or 15 lb/day VOC; 0.6 tons/yr Pb; 1.0 ton/yr of a single HAP, or 2.5 ton/yr of any combination of HAPs, consisting of the following:

(1) Three (3) self-contained aqueous conveyorized washers, identified as AQW 1 through AQW3, having no particulate, VOC or HAP emissions, with emissions exhausting inside the building and then to general ventilation.

(2) One (1) Meter Mix Dispensing System, constructed in 1998, with a maximum flow rate of 288 tons per year, using a two part dielectric firm gel, with emissions exhausting inside the building and then to general ventilation.

(3) A Two-Part Urethane Potting Operation - LCC PR-4 with Sanyu UE-921, having emissions of volatile organic compounds (VOC) less than three (3) pounds per hour or fifteen (15) pounds per day, with emissions exhausting inside the building and then to general ventilation.

(4) One (1) selective soldering station, identified as Pillarhouse – 2, having emissions of volatile organic compounds (VOC) less than three (3) pounds per hour or fifteen (15) pounds per day, with emissions exhausting inside the building and then to general ventilation.

(5) Two (2) electric IR curing ovens, constructed in 2003, used for curing epoxy, with emissions exhausting inside the building and then to general ventilation.

(6) Nine (9) electric convection ovens, identified as C01 through CO9, and exhausting to stacks 5, 24, 26, 38, 42, 49, 52, 91, and 94.

(7) Nine (9) electric reflow soldering ovens, identified as RSO1 through RSO9, and exhausting to stacks 10, 15, 19, 56, 57, and 89.

(8) One (1) Electronic Power Steering (EPS) Line, modified in 2003, with a maximum capacity of 600 parts per hour, using two (2) T630 silicon dispensers, two (2) Vitronics-Soltec Selective Solder units, one (1) J-Former Wire Crimper, and two (2) electric ovens, with emissions exhausting inside the building and then to general ventilation.

Existing Approvals

The source has constructed or has been operating under the following previous approvals:

flexcel – Jasper Cherry Street:

(a) Registration Letter, July 17, 1985;
(b) Registration Letter, October 14, 1987;
(c) Operation Permit 19-09-92-0336, issued on May 18, 1989;
(d) Exemption 037-2309-00042, issued on December 18, 1991;
(e) Registration 037-2394-00056, issued on March 16, 1992;
(f) Construction Permit 037-5758-00042, issued on October 1, 1996; and
(g) Minor Source Modification 037-17478-00100, issued on October 8, 2003.

flexcel – Jasper 16th Street:

(a) Registration, issued on December 30, 1987;
(b) Operating Permit 19-02-91-0327, issued on January 27, 1988;
(c) Operating Permit 19-02-91-0328, issued on January 27, 1988;
(d) Operating Permit 19-02-91-0329, issued on January 27, 1988;
(e) Operating Permit 19-02-91-0330, issued on January 27, 1988;
(f) Operating Permit 19-02-91-0331, issued on January 27, 1988;
(g) Construction Permit 037-4791-00049, issued on September 27, 1995;
(h) Administrative Amendment 037-8278-00049, issued on March 24, 1997;
(i) Exemption 037-9366-00049, issued on February 20, 1998;
(j) Exemption 039-9776-00049, issued on July 10, 1998;
(k) Administrative Amendment 037-16887-00100, issued on December 26, 2002;
(l) Exemption 037-16046-00100, issued on March 15, 2003;
(m) Revision 037-18568-00100, issued on March 2, 2004; and
(n) Exemption 037-18708-00100, issued on April 4, 2004.

flexcel – Jasper 15th Street:

(a) Operating Permits 19-09-90-0298 and 19-09-90-0299, issued on November 26, 1986;
(b) Amendment to 19-09-90-0298 and 19-09-90-0299, issued on October 22, 1987;
(c) Registration 037-00046, dated October 11, 1990;
(d) Registration 037-00046, dated January 22, 1992;
(e) Exemption 037-2412-00046, issued on March 3, 1992;
(f) Exemption 037-9296-00046, issued on January 8, 1998;
(g) Exemption 037-9547-00046, issued on April 8, 1998;
(h) Minor Source Modification 037-16253-00100, issued on September 6, 2002;
(i) Exemption 037-17103-00100, issued on March 20, 2003;
(j) Exemption 037-17176-00100, issued on June 12, 2003;
(k) Exemption 037-18242-00100, issued on January 27, 2004;
(l) Revised Exemption, 037-18568-00100, issued on March 2, 2004; and
(m) Exemption 037-18708-00100, issued on April 27, 2004.

Kimball Electronics, Inc.:

(a) Exemption, issued May 3, 1982;
(b) Registration, issued January 18, 1988;
(c) Registration, issued on April 18, 1989;
(d) Registration, issued on May 2, 1989;
(e) Registration – CP 037-1800-00039, issued on February 21, 1992
(f) Registration - CP 037-4061-00039, issued on November 1, 1994;
(g) Registration - CP 037-8911-00100, issued on November 13, 1997;
(h) Registration (Interim) 037-8911I-00100, issued on September 12, 1997;
(i) Exemption 037-8948-00100, issued on September 28, 1998;
(j) Exemption 037-9600-00100, issued on April 28, 1998;
(k) Exemption 037-10753-00100, issued on April 20, 1999;
(l) Exemption 037-11455-00100, issued on December 19, 2000;
(m) Experimental Operation 037-16481-00100, issued on September 3, 2002;
(n) Minor Source Modification 037-17162-00100, issued on May 28, 2003;
(o) Exemption 037-18493-00100, issued on March 4, 2004; and
(p) Section 112(j) Applicability Determination 037-16321-00039, issued on October 19, 2004.

Kimball International, Inc. – 15th Street Contiguous Source

The four (4) individual plants above were determined to be a contiguous source at the time they submitted their applications for an initial FESOP or Title V permit in 1995. Since that time, permits issued to this contiguous source use 037-00100 as a plant identification number.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

The following terms and conditions from previous approvals have been revised in this Part 70 permit:

Condition 2 in Exemption No.: 037-17103-00100, issued on March 20, 2003, mistakenly applied a particulate emissions rate limitation under 326 IAC 6.5-3-2 to Powder Booth #1 (PB#1), located at flexcel – Jasper 15th Street. Since this facility is located in Dubois County and is not listed in 326 IAC 6.5-1-9, the requirements of 326 IAC 6.5-1-2 apply to this facility. The revised condition requires the Permittee to limit particulate emissions from PB#1 to less than 0.03 grain per dry standard cubic feet.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the Part 70 permit be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete Part 70 permit application for the purposes of this review was received on December 4, 1996.

There was no notice of completeness letter mailed to the Permittee.

Emission Calculations

The calculations submitted by the applicant have been verified and found to be accurate and correct. These calculations are provided in Appendix A of this document (pages 1 through 6).

Potential to Emit of the Source

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, inclulding air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA, the department, or the appropriate local air pollution control agency.”

		Potential to Emit (tons/year)						
Process/emission unit		PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
Cherry Street	Surface Coating Booths SB2A and SB3A	--	--	--	Less than 50 [c]	--	--	2.0
	Wood Boiler B-1A	6.9 [d]	6.9 [d]	2.2	1.5	53.9	44.0	3.45
	Nat. Gas Boiler B-2A	0.2	0.2	--	0.4	6.2	7.4	--
	Insig. Woodworking TD1–TD6	28.4 [a]	28.4 [a]	0	0	0	0	0
16th Street	30 Surface Coating Booths 1AB-29C	[b]	[b]	--	Greater than 250	--	--	Greater than 10/25
	Wood Boiler B-1B	45.8	41.4	2.7	1.9	66.0	53.9	4.2
	Nat. Gas Boiler B-2B	0.6	0.6	--	0.4	6.1	7.3	--
	Insig. Woodworking MV	8.8 [a]	8.8 [a]	0	0	0	0	0
15th Street	31 Surface Coating Booths, 3 Dip Tanks	[b]	[b]	--	Less than 248	--	--	Greater than 10/25
	Wood Boiler B-1C	26.1	23.6	1.6	1.1	37.6	30.7	2.4
	Nat. Gas Boiler B-2C	0.6	0.6	--	0.4	6.2	7.4	--
	Insig. Powder Booth PB-1	7.0	7.0	0	0	0	0	--
	Insig. Woodworking MD, CD-1, T-1	20.6 [a]	20.6 [a]	0	0	0	0	0
	Insig. Kimball Labs: 2 Spray Booths and 1 Dip Tank	[b]	[b]	--	--	--	--	--
Kimball Electronics	8 Soldering Stations	0	0	--	Less than 100 [e]	0	0	Less than 10/25
	6 Conformal Coating Stations	0	0	0		0	0	
	PWB Router, Milling	1.7 [a]	1.7 [a]	0		0	0	
	Insignificant Activities	--	--	--		--	--	
All	Insig. Nat. Gas Combustion Units	2.8	2.8	0.2	2.0	30.7	36.6	--
Total PTE		Greater than 150	Greater than 144	6.7	Greater than 250	207	187	Greater than 10/25

"--" Emissions are negligible (less than 0.1 tons per year).
[a] Particulate emissions for insignificant woodworking, router and milling represent allowable emissions under 326 IAC 6.5-1-2.
[b] Particulate emissions from surface coating booths are regulated by 326 IAC 6.5-1-2.
[c] VOC emissions from SB2A and SB3A at Cherry Street are each limited to 25 tons per year by a Registration letter issued October 14, 1987 and Exemption 037-2309-00042, issued on December 18, 1991.
[d] Particulate emissions from the wood-fired boiler at Cherry Street are limited by 326 IAC 6.5-1-9.
[e] VOC emissions from the emission units at Kimball electronics are limited by Registrations and Exemptions issued to this plant.

(a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM10, VOC, CO, and NOx are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(c) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects emission data submitted by the applicant for 2003 emissions.

Pollutant	Actual Emissions (tons/year)				
	Cherry St.	16th St.	15th St.	Kimball Elec.	Total
PM	40.3	6.74	15.8	0.46	63.3
PM10	0.81	0.74	0.24	0.46	2.25
SO_2	1.06	0.08	0.39	0.0	1.53
VOC	16.7	181	146	27.4	371
CO	181	14.5	8.07	0.0	204
NO_x	20.3	2.05	2.02	0.0	24.4
HAPs	2.4	23.5	26.9	1.1	53.8

County Attainment Status

The source is located in Dubois County.

Pollutant	Status
PM-10	Attainment
PM2.5	Nonattainment
SO_2	Attainment
NO_2	Attainment
1-hour Ozone	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

(a) Dubois County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.

(b) 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. Dubois 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.

(c) Dubois County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

(a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.

(b) Monitoring and related record keeping requirements which assure that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Federal Rule Applicability

(a) The insignificant woodworking operations located at flexcel – Jasper Cherry Street, flexcel – Jasper 16th Street, and flexcel – Jasper 15th Street are subject to the provisions of 40 CFR Part 64, Compliance Assurance Monitoring (CAM). In order for this rule to apply, a pollutant-specific-emissions-unit at a source that requires a Part 70 or Part 71 permit must meet three criteria for a given pollutant: 1) the unit is subject to an applicable emission limitation or standard for the applicable regulated air pollutant, 2) the unit uses a control device to achieve compliance with any such emission limitation or standard, and 3) the unit has the potential to emit, of the applicable regulated air pollutant, equal or greater than 100 percent of the amount required for a source to be classified as a major source. The insignificant woodworking operations at flexcel – Jasper Cherry Street, flexcel – Jasper 16th Street, and flexcel – Jasper 15th Street have the potential to emit greater than 100 tons of PM10 per year, and use a control device to comply with an emission limitation.

This is the only pollutant specific-emission-unit that meets all three criteria. This pollutant-specific emission unit is not a "large unit" as described in 40 CFR 64.5. Therefore, the Permittee shall submit a CAM plan pursuant to 40 CFR 64 as part of the Part 70 renewal application.

(b) The requirements of the New Source Performance Standards for Fossil-Fuel-Fired Steam Generators, (326 IAC 12, 40 CFR 60, Subpart D), are not included in this permit for the 20.5 MMBtu/hr wood-fired boiler (B-1A: Cherry Street), the 16.8 MMBtu/hr natural gas-fired boiler (B-2A: Cherry Street), the 25.1 MMBtu/hr wood waste boiler (B-1B: 16th Street), the 16.7 MMBtu/hr natural gas-fired boiler (B-2B:16th Street), the 14.3 MMBtu/hr wood waste boiler (B-1C:15th Street), and the 16.8 MMBtu/hr natural gas-fired boiler (B-2C:15th Street), because the maximum heat input capacity of these boilers is less than 250 MMBtu/hr.

(c) The requirements of the New Source Performance Standards for Electric Utility Steam Generating Units, (326 IAC 12, 40 CFR 60, Subpart Da), are not included in this permit for the 20.5 MMBtu/hr wood-fired boiler (B-1A: Cherry Street), the 16.8 MMBtu/hr natural gas-fired boiler (B-2A: Cherry Street), the 25.1 MMBtu/hr wood waste boiler (B-1B: 16th Street), the 16.7 MMBtu/hr natural gas-fired boiler (B-2B:16th Street), the 14.3 MMBtu/hr wood waste boiler (B-1C:15th Street), and the 16.8 MMBtu/hr natural gas-fired boiler (B-2C:15th Street), because these boilers are not electric utility steam generating units.

(d) The requirements of the New Source Performance Standards for Industrial-Commercial-Institutional Steam Generating Units, (326 IAC 12, 40 CFR 60, Subpart Db), are not included in this permit for the 20.5 MMBtu/hr wood-fired boiler (B-1A: Cherry Street), the 16.8 MMBtu/hr natural gas-fired boiler (B-2A: Cherry Street), the 25.1 MMBtu/hr wood waste boiler (B-1B: 16th Street), the 16.7 MMBtu/hr natural gas-fired boiler (B-2B:16th Street), the 14.3 MMBtu/hr wood waste boiler (B-1C:15th Street), and the 16.8 MMBtu/hr natural gas-fired boiler (B-2C:15th Street), because the maximum heat input capacity of these boilers is less than 100 MMBtu/hr.

(e) The requirements of the New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units, (326 IAC 12, 40 CFR 60, Subpart Dc), are not included in this permit for the 25.1 MMBtu/hr wood waste boiler (B-1B: 16th Street), the 16.7 MMBtu/hr natural gas-fired boiler (B-2B:16th Street), the 14.3 MMBtu/hr wood waste boiler (B-1C:15th Street), and the 16.8 MMBtu/hr natural gas-fired boiler (B-2C:15th Street). These boilers were constructed prior to the applicability date of June 9, 1989.

(f) The 20.5 MMBtu/hr wood-fired boiler (B-1A: Cherry Street) and the 16.8 MMBtu/hr natural gas-fired boiler (B-2A: Cherry Street) are subject to the requirements of the New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units, (326 IAC 12, 40 CFR 60.40c, Subpart Dc). The 20.5 MMBtu/hr wood-fired boiler (B-1A: Cherry Street) and the 16.8 MMBtu/hr natural gas-fired boiler (B-2A:

Cherry Street) were constructed after June 9, 1989 and the maximum heat input capacity of these boilers is greater than 10 MMBtu/hr. The 20.5 MMBtu/hr wood-fired boiler (B-1A: Cherry Street) is not subject to the PM and opacity limits specified in 40 CFR 60.43c because the maximum heat input capacity of this boiler is less than 30 MMBtu/hr.

Pursuant to 40 CFR 60.43c(b), the Permittee shall maintain daily records of the amount and type of each fuel combusted in the 20.5 MMBtu/hr wood-fired boiler (B-1A: Cherry Street) and the 16.8 MMBtu/hr natural gas-fired boiler (B-2A: Cherry Street). If the Permittee would like to change the frequency of record keeping for the 16.8 MMBtu/hr natural gas-fired boiler (B-2A: Cherry Street) from daily recording to monthly recording, then the Permittee must send a letter requesting this change to the following address:

George Czerniak
c/o U.S. Environmental Protection Agency, Region V
Air and Radiation Division
Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

The request should reference the NSPS requirement and the EPA memorandum from John Rasnic to Jewell Harper (dated February 20, 1992), which provides guidance on obtaining approval for alternative monitoring plans.

(g) The metal furniture surface coating operations located at the flexcel – Jasper 15th Street plant and identified as SB-28 and SB-29 are subject to the requirements of the New Source Performance Standards for Surface Coating of Metal Furniture, 40 CFR 60, Subpart EE. These facilities apply surface coatings containing VOC to metal furniture, were constructed after November 28, 1980, and apply greater than 3,842 liters (1,014 gallons) of coating per year.

Pursuant to 40 CFR 60.312(a), the Permittee shall not shall cause the discharge into the atmosphere of VOC emissions from any metal furniture surface coating operation in excess of 0.90 kilogram of VOC per liter of coating solids applied (this is equivalent to 7.5 pounds of VOC per gallon of coating solids applied).

Pursuant to 40 CFR 60.315(b), the Permittee shall identify, record, and submit a written report to the Administrator every calendar quarter of each instance in which the volume-weighted average of the total mass of VOC's emitted to the atmosphere per volume of applied coating solids is greater than the limit specified under 40 CFR 60.312(a). If no such instances have occurred during a particular quarter, a report stating this shall be submitted to the Administrator semiannually.

Pursuant to 40 CFR 60.315(d), the Permittee shall maintain at the source, for a period of at least 2 years, records of all data and calculations used to determine VOC emissions from each affected facility.

(h) The wood furniture manufacturing and surface coating operations at this contiguous source are subject to the National Emission Standards for Hazardous Air Pollutants for Wood Furniture Manufacturing Operations, 40 CFR 63, Subpart JJ (326 IAC 20-14). The affected source to which this subpart applies is each facility that is engaged, either in part or in whole, in the manufacture of wood furniture or wood furniture components and that is located at a major source of HAP. Facilities at flexcel – Jasper Cherry Street, flexcel – Jasper 16th Street and flexcel – Jasper 15th Street manufacture wood furniture or wood furniture components and the contiguous source (Kimball International, Inc. – 15th Street Contiguous Source) is a major source of HAPs.

However, the facilities at flexcel – Jasper Cherry Street (identified as SB2A and SB3A) have no applicable requirements under this rule because (a) they do not apply finishes to wood furniture, (b) they do not apply contact adhesives to wood furniture or foam upholstery, (c) they do not apply strippable spray booth coatings, (d) do not apply

materials with spray guns, and (e) do not perform washoff operations as these terms are defined in 40 CFR 63.801 and 40 CFR 63, Subpart JJ. The facilities at flexcel – Jasper Cherry Street (identified as SB-2A and SB-3A) apply a low-HAP hot melt glue mixture (0.2% HAP by weight) to a single surface using roll application methods and then bind veneers and laminates to that surface with the use of a heated press.

Pursuant to 40 CFR 63.800, Subpart JJ, the wood furniture manufacturing and surface coating operations identified as 1AB, 2A, 3AB, 4AB, 5AB, 6A, 7AB, 8AB, 9AB, 10A, 11AB, 12A, 13A, 14A, 15AB, 16A, 17AB, 18A, 19AB, 20A, 21AB, 22A, 23AB, 24AB, 25A, 26A, 28A, 29A, 29B, 29C, SB-1, SB-2, SB-3, SB-4, SB-5, SB-6, SB-7, SB-8, SB-9, SB-10AB, SB-11, SB-12, SB-13, SB-14, SB-15, SB-16, SB-17, SB-18, SB-19, SB-20, SB-21, SB-23, SB-24, SB-26, SB-32, SB-33, SB-37, DT-22, DT-25, and DT-38 shall comply with the following conditions:

(1) Limit the Volatile Hazardous Air Pollutants (VHAP) emissions from finishing operations as follows:

(A) Achieve a weighted average volatile hazardous air pollutant (VHAP) content across all coatings of one (1.0) pound VHAP per pound solids, as applied; or

(B) Use compliant finishing materials in which all stains, washcoats, sealers, topcoats, basecoats and enamels have a maximum VHAP content of one (1.0) pound VHAP per pound solid, as applied. Thinners used for on-site formulation of washcoats, basecoats, and enamels have a three percent (3.0%) maximum VHAP content by weight. All other thinners have a ten percent (10.0%) maximum VHAP content by weight; or

(C) Use any combination of (A) and (B).

(2) Limit VHAP emissions from contact adhesives by using compliant contact adhesives as follows:

(A) For foam adhesives used in products that meet the upholstered seating flammability requirements, the VHAP content shall not exceed 1.8 pound VHAP per pound solids;

(B) For all other contact adhesives (except aerosols and contact adhesives applied to nonporous substrates) the VHAP content shall not exceed one (1.0) pound VHAP per pound solids;

(3) The strippable spray booth material shall have a maximum VOC content of eight-tenths (0.8) pounds VOC per pound solids.

(4) Pursuant to 40 CFR 63.803, the owner or operator of an affected source subject to this subpart shall maintain a written work practice implementation plan. The work practice implementation plan must define environmentally desirable work practices for each wood furniture manufacturing operation and at a minimum address each of the following work practice standards as defined under 40 CFR 63.803:

(A) Operator training course.
(B) Leak inspection and maintenance plan.
(C) Cleaning and washoff solvent accounting system.
(D) Chemical composition of cleaning and washoff solvents.
(E) Spray booth cleaning.
(F) Storage requirements.
(G) Conventional air spray guns shall only be used under the circumstances defined under 40 CFR 63.803(h).
(H) Line cleaning.
(I) Gun cleaning.

(J) Washoff operations.
(K) Formulation assessment plan for finishing operations.

Pursuant to 40 CFR 60.801(a), adhesives applied for the purpose of bonding two surfaces together other than by mechanical means shall not be considered coatings or finishing materials.

The provisions of 40 CFR 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63, Subpart JJ.

(i) The requirements of the National Emission Standards for Hazardous Air Pollutants: Plywood and Composite Wood Products, 40 CFR 63, Subpart DDDD are not included in this permit for the wood and plastic veneer laminating operations located at the flexcel – Jasper Cherry Street plant. The facilities at flexcel – Jasper Cherry Street apply hardwood veneer, softwood veneer or plastic laminate to preexisting structural wood panels. These facilities are not PCWP manufacturing facilities as defined in 40 CFR 63.2231(a) because these facilities do not manufacture plywood and/or composite wood products by bonding wood material (fibers, particles, strands, veneers, etc.) or agricultural fiber, generally with resin under heat and pressure, to form a structural panel or engineered wood product.

(j) The metal furniture surface coating operations located at the flexcel – Jasper 15th Street plant are subject to the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Metal Furniture, 40 CFR 63, Subpart RRRR, promulgated on May 23, 2003. The affected source to which this subpart applies is each facility that applies surface coatings to metal furniture and that is located at a plant site that is a major source of HAP. The contiguous source is a major source of HAP. Spray booths SB-27, SB-28, SB-29, and SB-30 located at flexcel – Jasper 15th Street apply surface coatings to metal furniture, and therefore, are part of the “affected source” for this NESHAP. Since these units were constructed prior to April 24, 2002 and were not reconstructed after April 24, 2002, these facilities meet the definition of “an existing affected source” as defined in 40 CFR 63.4882. Pursuant to 40 CFR 63.4883(b), this existing affected source must be operated in compliance with the provisions in 40 CFR 63, Subpart RRRR on and after May 23, 2006.

The provisions of 40 CFR 63 Subpart A - General Provisions apply to the affected source described in this section except when otherwise specified in 40 CFR 63 Subpart RRRR.

The Permittee intends to comply with the requirements of 40 CFR 63, Subpart RRRR by using the compliant materials option.

The Permittee submitted the initial notification required under 40 CFR 63.9(b) on April 7, 2005.

Pursuant to 40 CFR 63.4882, the following operations used for the surface coating of metal furniture are subject to this NESHAP:

(1) All coating operations as defined in 40 CFR 63.4981, including equipment used to apply cleaning materials to a substrate to prepare it for coating application or to remove dried or wet coating (surface preparation); to apply coating to a substrate (coating application) and to dry or cure the coating after application; and to clean coating operation equipment (equipment cleaning);

(2) All storage containers and mixing vessels in which coatings, thinners, and cleaning materials are stored or mixed;

(3) All manual and automated equipment and containers and all pumps and piping within the affected source used for conveying coatings, thinners, and cleaning materials; and

(4) All storage containers, all pumps and piping, and all manual and automated equipment and containers within the affected source used for conveying waste materials generated by a coating operation.

Pursuant to 40 CFR 63.4883(b) and 40 CFR 63.4890(c), beginning May 23, 2006, the Permittee shall limit organic HAP emissions to the atmosphere to no more than 0.10 kg organic HAP per liter (0.83 lb/gal) of coating solids used during each compliance period, determined according to the procedures in 40 CFR 63.4941. This includes all coatings, thinners, and cleaning materials used in all of the operations used for the surface coating of metal furniture.

Pursuant to 40 CFR 63.4883(b) and 40 CFR 63.4891(a), beginning May 23, 2006, the Permittee shall limit organic HAP emissions to the atmosphere from the operations used for the surface coating of metal furniture by using only thinners and cleaning materials that contain no organic HAP.

Pursuant to 40 CFR 63.4891(a) and beginning on April 24, 2006, the Permittee shall:

(1) Demonstrate that the organic HAP content of each coating used in the coating operation or group of coating operations is less than or equal to 0.83 lb of organic HAP/gal of coating solids. The Permittee shall include all coatings, thinners, and cleaning materials used in all operations used for the surface coating of metal furniture when determining whether the organic HAP emission rate is equal to or less than the emission limit; and

(2) Demonstrate that each thinner and each cleaning material used contains no organic HAP.

Pursuant to 40 CFR 63.4900(b), the Permittee shall, at all times, including periods of startup, shutdown, and malfunction, operate and maintain all of the operations used for the surface coating of metal furniture, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

Note: 1. Since the Permittee has selected the compliant material compliance option (40 CFR 63.4891(a)), there are no applicable work practice standards or operating limits (see 40 CFR 63.4892(a) and 40 CFR 63.4893(a)).

2. A startup, shutdown, and malfunction plan (SSMP) is not required for this source because the source will use compliant materials in accordance with 40 CFR 63.4891(a) (see 40 CFR 63.4900(c)).

Pursuant to 40 CFR 63.4883(b) and 40 CFR 63.4940, the initial compliance period begins on May 23, 2006 and ends on June 30, 2006.

Pursuant to 40 CFR 63.4941, the Permittee shall demonstrate initial compliance with the HAP emission limitations during the initial compliance period by:

(1) Using no coating with an organic HAP content that exceeds 0.83 lb of organic HAP/gallon of coating solids;

(2) Using no thinner or cleaning material that contains organic HAP;

(3) Keeping all records required by 40 CFR 63.4930, and 40 CFR 63.4931;

(4) Identifying each coating operation and group of coating operations for which the compliant material option is used, as required in 40 CFR 63.4910(c) and 40 CFR 63.4930(c)(1); and

(5) Submitting the Notification of Compliance Status by July 30, 2006, as required in 40 CFR 63.4910(c). The initial Notification of Compliance Status report shall specify whether, during the initial compliance period, each emission unit was either in compliance with, or deviated from, the requirements of 40 CFR 63.4890(c) and 40 CFR 63.4891(a), as required in 40 CFR 63.4910(c).

Pursuant to 40 CFR 63.4942(a), for the purposes of demonstrating continuous compliance with the compliant materials option, a compliance period shall be defined as each calendar month following the initial compliance period described in 40 CFR 63.4940. Compliance shall be demonstrated monthly and shall be determined at the end of every month (12 times per year). The first continuous compliance demonstration period begins on July 1, 2006.

Pursuant to 40 CFR 63.4941(e) and 40 CFR 63.4942, the Permittee shall demonstrate continuous compliance with the HAP emission limitations during each compliance period by:

(1) Using no coating with an organic HAP content that exceeds 0.83 lb of organic HAP/gallon of coating solids;

(2) Using no thinner or cleaning material that contains organic HAP;

(3) Keeping all records required by 40 CFR 63.4930 and 40 CFR 63.4931;

(4) Identifying each coating operation and group of coating operations for which the compliant materials option is used, as required by 40 CFR 63.4920(a)(3);

(5) Including a statement in the semiannual compliance report that specifies whether, during the compliance period, each emission unit was either in compliance with, or deviated from, the requirements of 40 CFR 63.4890(c) and 40 CFR 63.4891(a), as required by 40 CFR 63.4920(a)(3); and

(6) Reporting any deviation from the emission limitations specified in 40 CFR 63.4890, as required by 40 CFR 63.4920(a)(5).

Pursuant to 40 CFR 63.4941, the Permittee shall demonstrate compliance with the emission limitations for the metal furniture surface coating operations during the initial compliance period and subsequent compliance periods by using the following procedures. These procedures shall be used for each coating, thinner, and cleaning material in the condition it is in when it is received from the manufacturer and prior to any alteration.

The Permittee shall determine the mass fraction of organic HAP for each coating, thinner and cleaning material used in the metal furniture surface coating operations by using one of the options in paragraphs (1) through (5) below:

(1) Method 311 (Appendix A to 40 CFR 63). The Permittee may use Method 311 for determining the mass fraction of organic HAP. The Permittee shall use the procedures specified in paragraphs (a)(1)(A) and (B) below when determining organic HAP content by Method 311.

(A) Include in the organic HAP total each organic HAP that is measured to be present at 0.1 percent by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. Express the mass fraction of each organic HAP measured

as a value truncated to four places after the decimal point (for example, 0.1234).

(B) Calculate the total organic HAP content in the test material by adding up the individual organic HAP contents and truncating the result to three places after the decimal point (for example, 0.123).

(2) Method 24 (Appendix A to 40 CFR 60). For coatings, the Permittee may use Method 24 for determining the mass fraction of nonaqueous volatile matter and use that value as a substitute for mass fraction of organic HAP.

(3) The Permittee may use an alternative test method for determining mass fraction of organic HAP by obtaining prior approval by the Administrator, following the procedure set forth in 40 CFR 63.7(f).

(4) By providing information on organic HAP content from information supplied by the supplier or manufacturer of the material, such as manufacturer's formulation data, if it represents each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other organic HAP compounds. If there is a disagreement between such information and results of a test conducted according to paragraphs (1) through (3) above, then the test method results will take precedence.

(5) For solvent blends, the Permittee shall calculate organic HAP content using detailed information available from the supplier or manufacturer of the material. When test data and manufacturer's data for solvent blends are not available, the Permittee shall use the default values for organic HAP content listed in Table 3 or 4 of 40 CFR 63, Subpart RRRR.

The Permittee shall determine the volume fraction of coating solids for each coating (liters of coating solids per liter of coating) for each coating used during the compliance period by a test or by information provided by the supplier or the manufacturer of the material, as specified in paragraphs (1), (2), and (3) below. If test results obtained according to paragraph (1) below do not agree with the information obtained under paragraph (2) or (3) below, the test results will take precedence.

(1) Test results. The Permittee may use ASTM Method D2697–86 (Reapproved 1998), "Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings" (incorporated by reference, see 40 CFR 63.14), or D6093–97, "Standard Test Method for Percent Volume Nonvolatile Matter in Clear or Pigmented Coatings Using a Helium Gas Pycnometer" (incorporated by reference, see 40 CFR 63.14), to determine the volume fraction of coating solids for each coating. Divide the nonvolatile volume percent obtained with the methods by 100 to calculate volume fraction of coating solids. Alternatively, the Permittee may use another test method upon obtaining approval from the Administrator according to the requirements of 40 CFR 63.7(f).

(2) Information from the supplier or manufacturer of the material. The Permittee may obtain the volume fraction of coating solids for each coating from the supplier or manufacturer.

(3) Calculation of volume fraction of coating solids. If the volume fraction of coating solids cannot be determined using the options in paragraphs (b)(1) and (2) of this section, the Permittee shall determine it using the following equation:

$$V_S = 1 - (M_{volatiles} / D_{avg})$$

Where:
Vs = Volume fraction of coating solids, liters coating solids per liter coating.

$M_{volatiles}$ = Total volatile matter content of the coating, including HAP, volatile organic compounds (VOC), water, and exempt compounds, determined according to Method 24 in appendix A of 40 CFR part 60, grams volatile matter per liter coating.

D_{avg} = Average density of volatile matter in the coating, grams volatile matter per liter volatile matter, determined from test results using ASTM Method D1475–90, information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If there is disagreement between ASTM Method D1475–90 test results and other information sources, the test results will take precedence.

The Permittee shall determine the density of each coating used during the compliance period from test results using ASTM Method D1475–90 or information from the supplier or manufacturer of the material. If there is disagreement between ASTM Method D1475–90 test results and the supplier's or manufacturer's information, the test results will take precedence.

The Permittee shall calculate the organic HAP content of each coating (kilograms organic HAP per liter coating solids) of each coating used during the compliance period, using the following equation, except that if the mass fraction of organic HAP in the coating equals zero, then the organic HAP content also equals zero and the Permittee is not required to use the following equation to calculate the organic HAP content.

$H_C = (D_C \times W_C) / V_S$

Where:

H_C = Organic HAP content of the coating, in kilograms organic HAP per liter coating solids.

D_C = Density of coating, in kilograms coating per liter coating, determined according to paragraph (c) of this condition.

W_C = Mass fraction of organic HAP in the coating, in kilograms organic HAP per kilogram coating.

V_S = Volume fraction of coating solids, in liter coating solids per liter coating.

Pursuant to 40 CFR 63.4883(d) and 40 CFR 63.4910, the Permittee shall submit all of the following notifications by the dates specified:

If the Permittee constructs new metal furniture surface coating operations or reconstructs the existing metal furniture surface coating operations, then the Permittee shall submit an initial notification containing the information specified in 40 CFR 63.9(b)(4) and (5), delivered or postmarked within 15 calendar days of the actual date of startup of the source.

Pursuant to 40 CFR 63.9(c), if the Permittee cannot comply with the emission standards as set forth in 40 CFR 63.4890(c), 40 CFR 63.4891(a), then the Permittee shall submit a request for an extension of compliance to the Administrator as specified in 40 CFR 63.6(i)(4) through 40 CFR 63.6(i)(6). Any request under this paragraph for an extension of compliance with a relevant standard must be submitted in writing to the appropriate authority no later than January 23, 2006. The Permittee may submit a compliance extension request after January 23, 2006, provided the need for the compliance extension arose after January 23, 2006, and before May 23, 2006 and the need arose due to circumstances beyond reasonable control of the Permittee.

The Permittee shall submit the Notification of Compliance Status required by 40 CFR 63.9(h) no later than July 30, 2006. The Notification of Compliance Status must contain the applicable information specified in 40 CFR 63.9(h) and the information specified in paragraphs (1) through (8) below.

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report. Such certifications must also comply with the requirements of 40 CFR 70.5(d).

(3) Date of the report and beginning and ending dates of the reporting period. The reporting period is the initial compliance period, beginning May 23, 2006 and ending June 30, 2006.

(4) Identification of the compliance option or options specified in 40 CFR 63.4891 that the Permittee used on each coating operation in the affected source during the initial compliance period and that the Permittee will use for demonstrating continuous compliance.

(5) Statement of whether or not the metal furniture surface coating operations achieved the emission limitations for the initial compliance period.

(6) If the Permittee deviated from an applicable emission standard or limitation, include the following information:

(A) A description and statement of the cause of the deviation; and

(B) If the Permittee failed to meet the applicable emission limitations in 40 CFR 63.4890, include all of the calculations used to determine compliance. The Permittee does not need to submit information provided by material suppliers or manufacturers or test reports.

(7) For each of the data items listed in paragraphs (7)(A) through (C) below, include an example of how the value was determined, including calculations and supporting data. Supporting data can include a copy of the information provided by the supplier or manufacturer of the example coating or material or a summary of the results of testing conducted according to 40 CFR 63.4941(a), (b), or (c). The Permittee does not need to submit copies of any test reports.

(A) Mass fraction of organic HAP for one coating, for one thinner, and for one cleaning material.

(B) Volume fraction of coating solids for one coating.

(C) Density for one coating.

(8) An example calculation of the organic HAP content for one coating, using Equation 2 of 40 CFR 63.4941.

Pursuant to 40 CFR 63.9(j), if the Permittee changes any information submitted in any notification, the Permittee shall submit the changes in writing to the IDEM, OAQ within 15 calendar days after the change.

Pursuant to 40 CFR 63.4930(a), the Permittee shall keep a copy of each notification and report submitted to comply with 40 CFR 63, Subpart RRRR, and the documentation supporting each notification and report.

Pursuant to 40 CFR 63.4930(b), the Permittee shall keep a current record of information provided by materials suppliers or manufacturers, including information such as

manufacturer's formulation data for the materials used, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner, and cleaning material and the volume fraction of coating solids for each coating. If testing is conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the Permittee shall keep a copy of the complete test report. If the Permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the Permittee shall keep the summary sheet of results provided by the manufacturer or supplier.

Pursuant to 40 CFR 63.4930(c), for each compliance period, the Permittee shall keep the following records:

(1) A record of the compliance option used at each coating operation and the time periods (beginning and ending dates and times) the Permittee used each option; and

(2) A record of the calculation of the organic HAP content for each coating, using Equation 2 of 40 CFR 63.4941.

Pursuant to 40 CFR 63.4930(d), the Permittee shall keep a record of the name and volume of each coating, thinner, and cleaning material used during each compliance period.

Pursuant to 40 CFR 63.4930(e), the Permittee shall keep a record of the mass fraction of organic HAP for each coating, thinner, and cleaning material used during each compliance period.

Pursuant to 40 CFR 63.4930(f), the Permittee shall keep a record of the volume fraction of coating solids for each coating used during each compliance period.

Pursuant to 40 CFR 63.4930(g), the Permittee shall keep a record of the density for each coating used during each compliance period.

Pursuant to 40 CFR 63.4930(j), the Permittee shall keep a record the date, time, and duration of each deviation.

Pursuant to 40 CFR 63.4931(e), the Permittee shall keep records as specified below:

(1) Records must be readily available and in a form so they can be easily inspected and reviewed, according to 40 CFR 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database.

(2) Records must be kept for 5 years following the date that each record is generated.

(3) Records must be kept on site for at least 2 years after the date that each record is generated. The Permittee can keep the records offsite for the remaining 3 years.

Pursuant to 40 CFR 63.4920(a), the Permittee shall submit semiannual compliance reports for the metal furniture surface coating operations according to the requirements of the paragraphs below.

The Permittee shall prepare and submit each semiannual compliance report according to the dates specified below:

(1) The first semiannual compliance report must cover the first semiannual reporting period which begins July 1, 2006 and ends on December 31, 2006.

(2) Each subsequent semiannual compliance report must cover the subsequent semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(3) Each semiannual compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

The Permittee shall report all deviations as defined in 40 CFR 63, Subpart RRRR in the 6-month monitoring report.

The semiannual compliance report must contain the following information:

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report. Such certifications must also comply with the requirements of 40 CFR 70.5(d).

(3) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31.

(4) Identification of the compliance option or options specified in 40 CFR 63.4891 that are used on each coating operation during the reporting period. If the Permittee switched between compliance options during the reporting period, the Permittee must report the beginning and ending dates when each option is used.

(5) If there were no deviations from the emission limits in 40 CFR 63.4890, the semiannual compliance report must include an affirmative statement that there were no deviations from the emission limitations in 40 CFR 63.4890 during the reporting period. If there were no deviations from the emission limitations in 40 CFR 63.4890, the semiannual compliance report must include the affirmative statement that the coating operation or group of coating operations was in compliance with the emission limitations during the reporting period because no coating for which the organic HAP content exceeded the applicable emission limit in 40 CFR 63.4890 was used, and no thinner or cleaning material that contained organic HAP was used.

(6) If there was a deviation from the applicable emission limit in 40 CFR 63.4890, the semiannual compliance report must contain the following information:

(A) Identification of each coating used that deviated from the emission limit, and of each thinner and cleaning material used that contained organic HAP, and the dates and time periods each was used.

(B) The calculation of the organic HAP content for each coating used that deviated from the emission limit, using Equation 2 of 40 CFR 63.4941. It is not necessary to submit background data supporting this calculation, for example, information provided by materials suppliers or manufacturers, or test reports.

(C) The determination of mass fraction of organic HAP for each coating, thinner, and cleaning material used that deviated from the emission limit. It is not necessary to submit background data supporting this calculation, for example, information provided by materials suppliers or manufacturers, or test reports.

(D) A statement of the cause of each deviation.

(k) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63, Subpart MMMM are not included in this permit for the metal panel surface coating operations located at the flexcel – Jasper 15th Street plant. These metal panel surface coating facilities are already subject to the requirements of 40 CFR 63, Subpart RRRR. The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63, Subpart MMMM are not included in this permit for the surface coating of any metal components of wood furniture that may occur during surface coating of wood furniture at the wood furniture surface coating operations located at the flexcel – Jasper 16th Street plant and the flexcel – Jasper 15th Street plant. These wood furniture surface coating operations are exempt from the requirements of 40 CFR 63, Subpart MMMM, because, pursuant to 40 CFR 63.3881(c)(6), these facilities apply surface coatings to metal components of wood furniture at an operation that is subject to the wood furniture manufacturing NESHAP (40 CFR 63, Subpart JJ).

(l) The requirements of the National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63, Subpart MMMM are not included in this permit for the electronics assembly operations located at the Kimball Electronics, Inc. plant. The operations do not apply surface coatings to metal parts or products, as defined in 40 CFR 63.3881.

(m) The requirements of the National Emission Standards for Hazardous Air Pollutants for Semiconductor Manufacturing, 40 CFR 63, Subpart BBBBB are not included in this permit for the electronics assembly operations at the Kimball Electronics, Inc plant. This plant does not manufacture semiconductors.

(n) The 20.5 MMBtu/hr wood-fired boiler (B-1A: Cherry Street), the 16.8 MMBtu/hr natural gas-fired boiler (B-2A: Cherry Street), the 25.1 MMBtu/hr wood waste boiler (B-1: 16th Street), the 16.7 MMBtu/hr natural gas-fired boiler (B-2B:16th Street), the 14.3 MMBtu/hr wood waste boiler (B-1C:15th Street), and the 16.8 MMBtu/hr natural gas-fired boiler (B-2C:15th Street) are subject to the National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63, Subpart DDDDD. The 20.5 MMBtu/hr wood-fired boiler (B-1A: Cherry Street), the 25.1 MMBtu/hr wood waste boiler (B-1B: 16th Street) and the 14.3 MMBtu/hr wood waste boiler (B-1C:15th Street) comprise three existing affected sources for the small solid fuel subcategory, as defined by 40 CFR 63.7575, because these boilers are firetube boilers and they meet the criteria in the definition in 40 CFR 63.7575 for the small solid fuel subcategory. The 16.8 MMBtu/hr natural gas-fired boiler (B-2A: Cherry Street), the 16.7 MMBtu/hr natural gas-fired boiler (B-2B:16th Street) and the 16.8 MMBtu/hr natural gas-fired boiler (B-2C:15th Street) comprise three existing affected sources for the small gaseous fuel subcategory, as defined by 40 CFR 63.7575, because these boilers are firetube boilers and they meet the criteria in the definition in 40 CFR 63.7575 for the small gaseous fuel subcategory. Pursuant to 40 CFR 63.7506(c), there are no applicable requirements from 40 CFR 63, Subpart DDDDD and 40 CFR 63, Subpart A for the affected sources for the small solid fuel subcategory and the small gaseous fuel subcategory.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)

This contiguous source includes four (4) manufacturing plants. None of these plants are in 1 of the 28 source categories and there are no applicable New Source Performance Standards that were in effect on August 7, 1980, therefore, fugitive emissions are not counted towards applicability of PSD.

The four manufacturing plants that comprise this contiguous source were originally issued separate construction and operating permits. In 1996, the four manufacturing plants were determined to be a contiguous source. The four manufacturing plants were treated as four

separate sources for the permits that were issued prior to 1996. Permits issued subsequent to the contiguous source determination in 1996 were treated as a modification to the contiguous source (all four plants combined).

flexcel – Jasper Cherry Street Plant

The flexcel – Jasper Cherry Street plant was constructed in 1985. At the time of construction, the PTE for PM, PM10, SO_2, NO_X, CO and VOC were less than 250 tons per year. The flexcel – Jasper Cherry Street plant was a minor PSD source upon construction. On October 14, 1987, a surface coating booth was added under a Registration Letter. The flexcel – Jasper Cherry Street plant remained a minor source under PSD after this modification. On May 18, 1989, the flexcel – Jasper Cherry Street plant was issued operating permit 19-09-92-0336. This permit required that baghouses operate to control particulate emissions from the insignificant woodworking operations. On December 18, 1991, a back sealer machine was added under Exemption 037-2309-00042. The flexcel – Jasper Cherry Street plant remained a minor source under PSD after this modification. On March 16, 1992, a baghouse was added under Registration 037-2394-00056. The flexcel – Jasper Cherry Street plant remained a minor source under PSD after this modification. On October 1, 1996, two boilers were added and one boiler was removed under Construction Permit 037-5758-00042. The increase in PTE of PM, PM10, SO_2, NO_X, CO and VOC before controls and limits due to this modification was less than 250 tons per year. Therefore, PSD review was not triggered. The flexcel – Jasper Cherry Street plant remained a minor source under PSD after this modification. In late 1996, the flexcel – Jasper Cherry Street plant was determined to be part of the Kimball International, Inc. – 15th Street Contiguous Source. The PTE for VOC for the Kimball International, Inc. – 15th Street Contiguous Source was greater than 250 tons per year. The flexcel – Jasper Cherry Street plant became part of a major source under PSD after this determination. On October 8, 2003, a woodworking operation was added under Minor Source Modification 037-17478-00100. The PTE of PM and PM10 before controls and limits of this modification was greater than the PSD significant levels. The Permittee accepted requirements in the permit to operate a baghouse at all times that the woodworking operations are in operation. Compliance with this requirement lowered the PTE of PM and PM10 after controls to less than the PSD significant levels. The permitted increase in PTE for PM and PM10 due to the modifications performed under MSM 037-17478-00100 is as follows:

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
Baghouse	Less than 2.37	Less than 2.37	0	0	0	0	0
PSD Thresholds	25	15	40	40	100	40	--

This modification did not trigger PSD review because the increase in PTE for PM and PM10 due to this modification was limited by conditions in the permit to less than the PSD significant levels. However, the only requirement preventing a PSD violation is the condition requiring that the baghouse be operated at all times that the woodworking operations are in operation, and that the baghouse operate with a 99% control efficiency. Since this requirement is not practically enforceable, the following PSD condition has been included in the permit:

The insignificant woodworking operation at flexcel – Jasper Cherry Street identified as TD4 shall limit PM emissions to less than 5.7 pounds per hour and shall limit PM 10 emissions to less than 3.42 pounds per hour. Compliance with this limit makes PSD not applicable to Minor Source Modification 037-17478-00100, issued on October 8, 2003.

In a letter dated December 5, 2005, the Permittee informed IDEM of its intent to replace an existing baghouse (identified as MR2, located at flexcel – Jasper Cherry Street) with a new baghouse (identified as TD5). There is no increase in PTE for PM and PM10 due to this modification.

In that same letter dated December 5, 2005, the Permittee informed IDEM of its intent to relocate existing woodworking equipment from the flexcel – Jasper 15th Street plant to the flexcel – Jasper Cherry Street plant and install a new baghouse (identified as TD6) to control particulate

emissions from this relocated equipment. The relocated equipment and new baghouse is considered an insignificant activity pursuant to 326 IC 2-7-1(21)(G)(xxix). The three (3) baghouses currently controlling the remaining woodworking operations at the flexcel – Jasper 15th Street plant will remain in operation, but wood throughput to these woodworking operations will decrease. The increase in PTE for PM and PM10 due to this relocation of equipment (2.36 tons per year) is limited by conditions in this permit and is less than the PSD significant levels. Therefore, this modification does not trigger PSD review.

flexcel – Jasper 16th Street Plant

The flexcel – Jasper 16th Street plant was constructed in 1977-78. At the time that the PSD rules were promulgated in the late 1970's, the flexcel – Jasper 16th Street plant was an existing major source under PSD. On January 27, 1988, the flexcel – Jasper 16th Street plant was issued operating permits (OP 19-02-91-0327 through OP 19-02-91-0331) for the existing surface coating operations and an existing woodworking operation. In 1996, the flexcel – Jasper 16th Street plant was determined to be part of the Kimball International, Inc. – 15th Street Contiguous Source. The PTE for VOC for the Kimball International, Inc. – 15th Street Contiguous Source was greater than 250 tons per year. The flexcel – Jasper 16th Street plant became part of a major source under PSD after this determination. On February 20, 1998, under Exemption 037-9366-00049, the flexcel – Jasper 16th Street plant installed four air make-up units. On March 15, 2003, under Exemption 037-16046-00100, the flexcel – Jasper 16th Street plant added one diptank and modified two spray booths. On April 4, 2004, under Exemption 037-18708-00100, the flexcel – Jasper 16th Street plant added two air make-up units and replaced one spray booth.

flexcel – Jasper 15th Street Plant

The flexcel – Jasper 15th Street plant was constructed in 1961. At the time that the PSD rules were promulgated in the late 1970's, the flexcel – Jasper 15th Street plant was an existing major source under PSD. In 1979, a surface coating booth was added. The increase in PTE for VOC, PM and PM10 before controls and limits due to this modification was less than the PSD significant levels. Therefore, PSD review was not triggered. In 1983, a surface coating booth was added. The increase in PTE for VOC, PM and PM10 before controls and limits due to this modification was less than the PSD significant levels. Therefore, PSD review was not triggered. In 1987, two (2) surface coating booths were added. The increase in PTE for VOC, PM and PM10 before controls and limits due to this modification was less than the PSD significant levels. Therefore, PSD review was not triggered. In an Amendment letter to Operating Permit 19-09-90-0299, dated October 22, 1987, the flexcel – Jasper 15th Street plant accepted a VOC limit of less than 249 tons per year in order to become minor for PSD. There were no physical changes to the facility at this time. The PTE of PM, PM10, SO_2, NO_X and CO for the facilities at the flexcel – Jasper 15th Street plant was less than 250 tons per year. After this amendment, the flexcel – Jasper 15th Street plant was a minor source under PSD. In 1989, three (3) surface coating booths were added. The increase in PTE for VOC, PM and PM10 before controls and limits due to this modification was less than 250 tons per year. Therefore, PSD review was not triggered. The increase in VOC due to this modification was included in the 249 ton per year VOC limit for the facilities at the flexcel – Jasper 15th Street plant. Therefore, the source remained a minor PSD source after this modification. On October 11, 1990, under Registration 037-00046, another dip tank was added. The increase in VOC due to this modification was included in the 249 ton per year VOC limit for the facilities at the flexcel – Jasper 15th Street plant. Therefore, the source remained a minor PSD source after this modification. On January 22, 1992, under Registration 037-00046, another dip tank was added. The increase in VOC due to this modification was also included in the 249 ton per year VOC limit for the facilities at the flexcel – Jasper 15th Street plant. Therefore, the source remained a minor PSD source after this modification. On March 3, 1992, under Exemption 037-2412-00046, a spray booth was added. The increase in VOC due to this modification was included in the 249 ton per year VOC limit for the facilities at the flexcel – Jasper 15th Street plant. Therefore, the source remained a minor PSD source after this modification. In 1996, the flexcel – Jasper 15th Street plant was determined to be part of the Kimball International, Inc. – 15th Street Contiguous Source. The PTE for VOC for the Kimball International, Inc. – 15th Street Contiguous Source was greater than 250 tons per year. The flexcel – Jasper 15th Street plant became part of a major source under PSD after this determination. On September 6, 2002, under Minor Source Modification 037-16253-00100, five (5) existing spray booths were modified. The increase in PTE of VOC before controls and limits due to this modification was less than 18 tons per year and the increase in PTE of PM and PM10

before controls and limits of this modification was less than 11 tons per year. The increase in PTE due to the modifications performed under MSM 037-16253-00100 are summarized in the following table:

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
Five Spray Booths	Less than 2.04	Less than 2.04	0	17.6	0	0	0
PSD Thresholds	25	15	40	40	100	40	--

The increase in PTE of VOC, PM and PM10 after controls due to these modifications was less than the PSD significant levels. The increase in PTE for PM and PM10 due to this modification was limited by a condition in the permit requiring the use of filters to control particulate emissions. The increase in VOC due to this modification was included in the 249 ton per year VOC limit for the facilities at the flexcel – Jasper 15th Street plant. On March 20, 2003, under Exemption 037-17103-00100, a wash booth, a powder coating booth and two curing ovens were added. On June 12, 2003, under Exemption 037-17176-00100, a pyrolysis oven was added. On January 27, 2004, under Exemption 037-18242-00100, the flexcel – Jasper 15th Street plant added two (2) air make-up units and replaced three (3) spray booths. On April 27, 2004, under Exemption 037-18708-00100, the flexcel – Jasper 15th Street plant added two (2) air make-up units, replaced a spray booth, and added a sidedraft flash tunnel. The increase in VOC due to each of these modifications was included in the 249 ton per year VOC limit for the facilities at the flexcel – Jasper 15th Street plant.

The following PSD limit is included in this permit:

Pursuant to Administrative Amendment issued October 22, 1987, the VOC usage in all surface coating facilities at flexcel – Jasper 15th Street plant shall be limited to less than 248 tons per twelve consecutive month period, with compliance determined at the end of each month. Combined with limits on fuel inputs to the wood-fired boilers at flexcel – Jasper 15th Street, the total emissions of VOC from the facilities at Jasper 15th Street are limited to less than 250 tons per twelve consecutive month period. Compliance with this limit makes PSD not applicable to the modifications made at flexcel-Jasper 15th Street after 1987. These modifications are discussed above and are listed in the Existing Approvals section of this TSD.

Kimball Electronics Plant

The Kimball Electronics plant was constructed in 1967. The Kimball Electronics plant was a minor PSD source when the PSD rules were promulgated in the late 1970's. In 1988, 1989, 1992, and 1994, the Kimball Electronics plant added emission units of various types to meet the changing needs of its customers. The increase in PTE for VOC, PM, PM10, SO_2, NO_X and CO due to each of these modifications was less than 250 tons per year. The PTE for VOC, PM, PM10, SO_2, NO_X and CO remained below 250 tons per year for the Kimball Electronics plant after each of these modifications. In 1996, the Kimball Electronics plant was determined to be part of the Kimball International, Inc. – 15th Street Contiguous Source. The PTE for VOC for the Kimball International, Inc. – 15th Street Contiguous Source was greater than 250 tons per year. The Kimball Electronics plant became part of a major source under PSD after this determination. In 1997, 1998, 1999, 2000, and 2002, the Kimball Electronics plant added emission units of various types Under Registration and Exemption permits to meet the changing needs of its customers. The increase in PTE for VOC, PM, PM10, SO_2, NO_X and CO before controls and limits due to each of these modifications was less than the PSD significant levels. Therefore, PSD review was not triggered. On May 28, 2003, under Minor Source Modification 037-17162-00100, two conformal coating systems and two electric curing ovens were added. The increase in PTE of VOC before controls and limits due to this modification is 12.2 tons per year. The Permittee chose to limit the input of a single HAP to the Conformal Coaters to less than 10 tons per year. This limit rendered the requirements of 326 IAC 2-7-10.5(f) not applicable and allowed the Permittee to perform this modification pursuant to 326 IAC 2-7-10.5(d)(5). The increase in PTE due to the modification performed under MSM 037-17162-00100 is as follows:

	Potential to Emit (tons/year)						
Process/facility	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
Two Conformal Coaters	0	0	0	Less than 10.7	0	0	Less than 10 for a single HAP
PSD Thresholds	25	15	40	40	100	40	--

The increase in PTE for VOC due to these modifications was limited by conditions in the permit to less than the PSD significant levels. Therefore, PSD review was not triggered. On March 4, 2004, under Exemption 037-18493-00100, an EPS line, two solder units and two conformal coating units were added. The increase in emissions resulting from these new units was below exemption levels and therefore, did not trigger PSD review.

The combined PTE for VOC, for the four individual manufacturing facilities comprising the Kimball International, Inc. – 15th Street Contiguous Source is greater than 250 tons per year. The Kimball International, Inc. – 15th Street Contiguous Source is a major source under PSD.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

(a) The surface coating booths located at flexcel – Jasper Cherry Street and identified as SB-2A and SB-3A were constructed prior to 1997. Therefore, 326 IAC 2-4.1 does not apply to these units.

(b) The surface coating booths located at flexcel – Jasper 16th Street and identified as 1AB, 2A, 3AB, 4AB, 5AB, 6A, 7AB, 8AB, 9AB, 11AB, 12A, 14A, 15AB, 16A, 17AB, 18A, 19AB, 20A, 21AB, 22A, 23AB, 24AB, 25A, 26A, 27A, 28A, 29A, 29B, and 29C were constructed prior to 1997. Therefore, 326 IAC 2-4.1 does not apply to these units.

(c) The surface coating booths located at flexcel – Jasper 16th Street and identified as 10A and 13A were constructed after 1997 and their potential to emit HAP is less than 10 tons per year of a single HAP or 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply to these units.

(d) The surface coating booths located at flexcel – Jasper 15th Street and identified as SB-1, SB-3, SB-4, SB-6, SB-7, SB-8, SB-10AB, SB-13, SB-23, SB-24, SB-26, SB-27, SB-28, SB-29, SB-30, SB-32, SB-33, SB-37, DT-22, DT-23, and DT-38 were constructed prior to July 27, 1997. Therefore, 326 IAC 2-4.1 does not apply to these units.

(e) The surface coating booths located at flexcel – Jasper 15th Street and identified as SB-2, SB-5, SB-9, SB-12, SB-14, SB-15, SB-16, SB-17, SB-18, SB-19, SB-20, and SB-21 were modified after July 27, 1997, but these modifications do not meet the definition of "Reconstruct a Major Source" in 40 CFR 63.41. Therefore, 326 IAC 2-4.1 does not apply to these units.

(f) The facilities located at Kimball Electronics, Inc. and identified as WSU6, WSU7, WSU8, CC2, SS1, SS2, and the Econopak I SMT Wavesoldering systems were constructed prior to July 27, 1997. Therefore, 326 IAC 2-4.1 does not apply to these units.

(g) The facilities located at Kimball Electronics, Inc. and identified as CC3, PVA-7, PVA-8 were constructed after July 27, 1997, but their potential to emit HAP is less than 10 tons per year of a single HAP and less than 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply to these units.

(h) The two (2) PVA 2000 selective conformal coating systems located at Kimball Electronics, Inc. and identified as PVA-S-05 and PVA-S-06 were constructed after July 27, 1997, and their potential to emit of a single HAP before limits is greater than 10 tons per year. However, pursuant to Minor Source Modification 037-17162-00100, issued on May 28, 2003, the total usage of a single HAP (Toluene) in the two (2) PVA 2000 selective conformal coating systems is limited to less than ten (10) tons per twelve consecutive month period. Therefore, the requirements of 326 IAC 2-4.1 do not apply to these units.

326 IAC 2-6 (Emission Reporting)

Since this contiguous source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, this contiguous source is subject to 326 IAC 2-6 (Emission Reporting). The contiguous source also has potential to emit greater than or equal to 250 tons per year of VOC; therefore, an emission statement covering the previous calendar year must be submitted by July 1 annually. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 5-1 (Opacity Limitations)

This source is located in Dubois County, Bainbridge Township. 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 the permit:

(a) Opacity shall not exceed an average of thirty percent (30%) 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.

326 IAC 6-4 (Fugitive Dust Emissions)

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 6-5 (Fugitive Particulate Matter Emission Limitations)

This source is located in Dubois County, Bainbridge Township. There are no facilities located at this source that have the potential to emit greater than 25 tons per year of fugitive particulate matter. This source has not added a facility with the potential to emit fugitive particulate matter greater than 25 tons per year, which requires a permit as set forth in 326 IAC 2, after December 13, 1985. Therefore, pursuant to 326 IAC 6-5-1, this source is not subject to the requirements of 326 IAC 6-5.

State Rule Applicability – flexcel – Jasper Cherry Street: Surface Coating

326 IAC 6.5-1-2 (Non-attainment Area Particulate Limitations)

The source is located in Dubois County and the PTE for particulate matter for the entire source exceeds 100 tons per year. Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2(a)), the allowable PM emission rate from each of the surface coating operations (SB-2A and SB-3A) shall not exceed three-hundredths (0.03) grain per dry standard cubic foot. The dry filters shall be in operation at all times that the surface coating operations are in operation, in order to comply with this limit.

326 IAC 6.5-4-17 (County Specific Particulate Emission Limitations: Dubois County)

The surface coating operations located at the flexcel – Jasper Cherry Street plant are located in Dubois County but are not specifically listed in 326 IAC 6.5-4-17. Therefore 326 IAC 6.5-4-17 (formerly 326 IAC 6-1-9) is not applicable to the surface coating facilities.

326 IAC 6-3 (Particulate Emissions Limitations for Manufacturing Processes)

Since particulate emissions from the surface coating operations are subject to the requirements of 326 IAC 6-5-1 (formerly 326 IAC 6-1 (Nonattainment Area Particulate Limitations)), and 326 IAC 6-1 remains in effect under 40 CFR 52, Subpart P, these emission units are exempt from the requirements of 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1(c)(3).

326 IAC 8-2-12 (Wood Furniture and Cabinet Coating)

The surface coating operations at flexcel – Jasper Cherry Street do not apply surface coatings to wood furniture or cabinets. These facilities bond hardwood veneers, softwood veneers and

plastic laminates to structural wood panels using hot melt glues and rolling application methods. Therefore, the requirements of 326 IAC 8-2-12 do not apply.

326 IAC 8-1-6 (General Reduction Requirements for VOC Emissions)

(a) The surface coating facility SB-2A, located at flexcel – Jasper Cherry Street, was constructed in 1989. The potential to emit for VOC for this facility is less than 25 tons per year. (See calculations in Appendix A). Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(b) The surface coating facility SB-3A, located at flexcel – Jasper Cherry Street, was constructed in 1987. The potential to emit for VOC for this facility is limited to less than 24.9 tons per year by conditions in Registration letter, issued October 14, 1987. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

326 IAC 8-11 (Wood Furniture Coatings)

Pursuant to 326 IAC 8-11-1, this source is not subject to the requirements of 326 IAC 8-11 because the source is located in Dubois County.

State Rule Applicability – flexcel – Jasper Cherry Street: Insignificant Woodworking Operations

326 IAC 2-7-10.5(d)(5)(C) (Minor Source Modifications) and 326 IAC 2-2 (Prevention of Significant Deterioration)

Pursuant to Minor Source Modification 037-17478-00100, issued on October 8, 2003, 326 IAC 2-7-10.5(d)(5)(C) (Minor Source Modifications), and 326 IAC 2-2 (Prevention of Significant Deterioration), the baghouse (TD4) shall comply with the following limits when the woodworking operation is in operation:

(a) PM emissions shall be limited to less than 5.7 pounds per hour;

(b) PM10 emissions shall be limited to less than 3.42 pounds per hour;

(c) At least 99% control efficiency; and

(d) No visible emissions.

Compliance with the pound per hour limits makes the requirements of 326 IAC 2-2 not applicable to the modifications performed under Minor Source Modification 037-17478-00100.

326 IAC 2-7-1(21)(G)(xxix) (Insignificant Activities)

Pursuant to 326 IAC 2-7-1(21)(G)(xxix), the woodworking operations located at flexcel – Jasper Cherry Street, identified as TD1, TD2, TD3, TD4, TD5, and TD6, and controlled by a baghouse shall be considered insignificant woodworking operations provided that: the baghouse does not exhaust to the atmosphere greater than one hundred twenty-five thousand (125,000) cubic feet per minute, the baghouse does not emit particulate matter with a diameter less than ten (10) microns in excess of three-thousandths (0.003) grain per dry standard cubic feet of outlet air, the opacity from the baghouse does not exceed ten percent (10%), and, the baghouse is in operation at all times that the woodworking equipment is in use.

326 IAC 6.5-1-2 (Particulate Emission Limitations)

(a) The woodworking operations located at flexcel – Jasper Cherry Street and identified as TD1 and TD3 are subject to a particulate matter limitation established in 326 IAC 6.5-4-17 (formerly 6-1-9), concerning nonattainment area particulate limitations. Therefore, the requirements of 326 IAC 6.5-1-2 do not apply to these units.

(b) The woodworking operations located at flexcel – Jasper Cherry Street and identified as TD2, TD4, TD5, and TD6 are located in Dubois County. Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2(a) (Non-attainment Area Particulate Limitations), the allowable PM emission rate from each of the woodworking operations shall not exceed three-hundredths (0.03) grain per dry standard cubic foot of outlet air. The baghouses shall be

in operation at all times that the woodworking operations are in operation, in order to comply with this limit.

326 IAC 6.5-4-17 (County Specific Particulate Emission Limitations)

The woodworking operations located at flexcel – Jasper Cherry Street and identified as TD1 and TD3 are located in Dubois County and are specifically identified in 326 IAC 6.5-4-17 (formerly 326 IAC 6-1-9). Pursuant to 326 IAC 6.5-4-17, the particulate matter emissions from the woodworking operations located at flexcel – Jasper Cherry Street and identified as TD1 and TD3 shall be limited to a total of two (2) tons per year. The baghouses (TD1 and TD3) shall be in operation at all times that the respective woodworking operations that they control are in operation, in order to comply with this limit.

The wood working facilities identified as TD2, TD4, TD5, and TD6 are not listed in 326 IAC 6.5-4-17 and are therefore not subject to this rule.

326 IAC 6-3 (Particulate Emissions Limitations for Manufacturing Processes)

(a) The particulate emissions from the woodworking operations identified as TD1 and TD3 are subject to the requirements of 326 IAC 6.5-4-17 (formerly 326 IAC 6-1-9). Since 326 IAC 6-1-9 remains in effect under 40 CFR 52, Subpart P, these emission units are exempt from the requirements of 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1(c)(3).

(b) The particulate emissions from the woodworking operations identified as TD2, TD5, and TD6 are subject to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2(a)). Since 326 IAC 6-1-2(a) remains in effect under 40 CFR 52, Subpart P, these emissions units are exempt from the requirements of 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1(c)(3).

State Rule Applicability – flexcel – Jasper Cherry Street: Boilers

326 IAC 6.5-1-2 (Particulate Emission Limitations)

The 20.5 MMBtu wood-fired boiler (B-1A) and the 16.8 MMBtu/hr natural gas-fired boiler (B-2A) at the flexcel – Jasper Cherry Street plant are not subject to the requirements of 326 IAC 6.5-1-2 because these boilers are already regulated under emissions limitations and standards set forth in 326 IAC 6.5-4-17.

326 IAC 6.5-4-17 (County Specific Particulate Emission Limitations: Dubois County)

(a) Pursuant to 326 IAC 6.5-4-17, the particulate matter emissions from the 20.5 MMBtu/hr wood-fired boiler (B-1A) shall not exceed 0.60 pounds per million British thermal units and 6.9 tons per year.

(b) Pursuant to 326 IAC 6.5-4-17, the particulate matter emissions from the 16.8 MMBtu/hr natural gas-fired boiler (B-2A) shall not exceed 0.003 pounds per million British thermal units, 0.01 grains per dry standard cubic foot, and 0.2 tons per year.

326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)

The 20.5 MMBtu wood-fired boiler (B-1A) and the 16.8 MMBtu/hr natural gas-fired boiler (B-2A) at the flexcel – Jasper Cherry Street plant are not subject to the requirements of 326 IAC 6-2 because these boilers are already regulated under emissions limitations and standards set forth in 326 IAC 6.5-4-17 (formerly 326 IAC 6-1-9). Since 326 IAC 6-1-9 remains in effect under 40 CFR 62, Subpart P, these units are exempt from 326 IAC 6-2, pursuant to 326 IAC 6-2-1(e).

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The 20.5 MMBtu/hr wood-fired boiler and the 16.8 MMBtu/hr natural gas-fired boiler are not subject to the requirements of 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations) because they each have the potential to emit less than 25 tons per year of SO_2.

State Rule Applicability –flexcel – Jasper 16th Street: Surface Coating

326 IAC 6.5-1-2 (Non-attainment Area Particulate Limitations)

The source is located in Dubois County and the PTE for particulate matter for the entire source exceeds 100 tons per year. Pursuant to 326 IAC 6.5-1-2(a) (formerly 26 IAC 6-1-2(a)), the

allowable PM emission rate from each of the surface coating operations located at the flexcel – Jasper 16th Street plant shall not exceed three-hundredths (0.03) grain per dry standard cubic foot. The dry filters, water pans and baffles shall be in operation at all times that the surface coating operations are in operation, in order to comply with this limit.

326 IAC 6.5-4 (County Specific Particulate Emission Limitations: Dubois County)

The surface coating operations located at the flexcel – Jasper 16th Street plant are located in Dubois County but are not specifically listed in 326 IAC 6.5-4. This is therefore not applicable to these units.

326 IAC 6-3 (Particulate Emissions Limitations for Manufacturing Processes)

The surface coating operations are subject to a particulate matter limitation established in 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2(a)). Since 326 IAC 6-1-2(a) remains in effect in 40 CFR 52, Subpart P, these surface coating operations are exempt from the requirements of 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1(c)(3).

326 IAC 8-1-6 (General Reduction Requirements for VOC Emissions)

(a) The surface coating booths located at flexcel – Jasper 16th Street and identified as 2A, 3AB, 4AB, 5AB, 6A, 7AB, 11AB, 12A, 14A, 15AB, 16A, 18A, 19AB, 20A, 21AB, 22A, 23AB, 24AB, 25A, and 26A, were constructed prior to January 1, 1980. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(b) The surface coating booths located at flexcel – Jasper 16th Street and identified as 10A and 13A, were constructed after January 1, 1980 and after July 1, 1990, and are regulated by requirements of 326 IAC 8-2-12. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(c) The surface coating booths located at flexcel – Jasper 16th Street and identified as 1AB, 8AB, 9AB, 17AB, 28A, 29A, 29B, and 29C were either constructed or reconstructed after January 1, 1980, and before July 1, 1990, have a potential to emit VOC greater than twenty-five (25) tons per year and are not regulated under another Article 8 rule. Therefore, these spray booths are subject to the requirements of 326 IAC 8-1-6.

Since 326 IAC 8-1-6 was established there have been other technology based regulations promulgated that target a specific process type or industry. Some general examples of these facility specific regulations are National Emission Standards for Hazardous Air Pollutants (NESHAP) and Reasonably Available Control Technology (RACT) rules. The legislative process to which these rules are subject typically involves a comprehensive evaluation of possible control technologies and emission reduction measures based on technical and financial feasibility. In some cases these facility specific regulations have standards that require reductions in VOC emissions and would have been applicable to a facility subject to 326 IAC 8-1-6 (BACT) if that facility had been constructed more recently. The IDEM, OAQ, has determined that, in certain cases, the reduction requirements of a more current and tailored rule (like 326 IAC 8-2-12) may fulfill the requirements of the 326 IAC 8-1-6 BACT.

The US EPA contracted Engineering Science to research, evaluate and recommend RACT level of controls for three major wood furniture coating sources in Clark County as part of an analysis of what they approved as the proposed SIP for Clark and Floyd counties in January 26, 1987. The report (completed in April 1984) evaluated: airless or air-assisted airless spray application methods; the use of electrostatic spray application on cabinet doors; incineration; and/or waterborne or high solids coatings. Airless/air-assisted airless application methods were considered to be RACT since they are demonstrated to have a higher transfer efficiency than conventional air spray. Incineration was considered to be technologically feasible but in most cases not economically infeasible. Waterborne and high solids coatings were not recommended as RACT since, at the time, many of the various furniture finishes were not available in such formulations and that the use of waterborne or low-solvent coatings are commercially unacceptable due to grain raising, haziness, lack of depth or sheen, and inadequate smoothness.

All of the spray booths at flexcel-Jasper 16th Street are equipped with HVLP guns which, pursuant to 8-2-12, are an acceptable alternative method of application for Air Assisted Airless Spray Application. As a result, IDEM decided that compliance with 326 IAC 8-2-12 will serve as BACT for the surface coating operations identified as 1AB, 8AB, 9AB, 17AB, 28A, 29A, 29B, and 29C and located at flexcel-Jasper 16th Street. Therefore, utilization of the 326 IAC 8-2-12 compliant methods of application will satisfy the requirements of 326 IAC 8-1-6.

326 IAC 8-2-12 (Wood Furniture and Cabinet Coating)

(a) The surface coating booths located at flexcel – Jasper 16th Street and identified as 1AB, 2A, 3AB, 4AB, 5AB, 6A, 7AB, 8AB, 9AB, 11AB, 12A, 14A, 15AB, 16A, 17AB, 18A, 19AB, 20A, 21AB, 22A, 23AB, 24AB, 25A, 26A, 27A, 28A, 29A, 29B, and 29C are located in Dubois County, apply surface coatings to wood furniture and cabinets and were constructed prior to July 1, 1990. Therefore, the requirements of 326 IAC 8-2-12 do not apply.

(b) The surface coating booths located at flexcel – Jasper 16th Street and identified as 10A and 13A are located in Dubois County, apply surface coatings to wood furniture and cabinets, were constructed after July 1, 1990, and have actual emissions of greater than fifteen (15) pounds of VOC per day before add-on controls. Therefore, they are subject to 326 IAC 8-2-12. Pursuant to 326 IAC 8-2-12, with the exception of no more than ten (10) gallons of coating per day used for touch-up and repair operations, the surface coating applied to wood furniture and cabinets shall utilize one of the following application methods:

Airless Spray Application
Air Assisted Airless Spray Application
Electrostatic Spray Application
Electrostatic Bell or Disc Application
Heated Airless Spray Application
Roller Coating
Brush or Wipe Application
Dip-and-Drain Application

High Volume Low Pressure (HVLP) Spray Application is an accepted alternative method of application for Air Assisted Airless Spray Application. HVLP spray is the technology used to apply coating to 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.

326 IAC 8-11 (Wood Furniture Coatings)

Pursuant to 326 IAC 8-11-1, this source is not subject to the requirements of 326 IAC 8-11 because the source is located in Dubois County.

State Rule Applicability –flexcel – Jasper 16th Street: Insignificant Woodworking Operations

326 IAC 2-7-1(21)(G)(xxix) (Insignificant Activities)

Pursuant to 326 IAC 2-7-1(21)(G)(xxix), the woodworking operations located at flexcel – Jasper 16th Street, identified as MV, and controlled by a baghouse shall be considered insignificant woodworking operations provided that: the baghouse does not exhaust to the atmosphere greater than one hundred twenty-five thousand (125,000) cubic feet per minute, the baghouse does not emit particulate matter with a diameter less than ten (10) microns in excess of three-thousandths (0.003) grain per dry standard cubic feet of outlet air, the opacity from the baghouse does not exceed ten percent (10%), and, the baghouse is in operation at all times that the woodworking equipment is in use.

326 IAC 6.5-1-2 (Particulate Emission Limitations)

The woodworking operations located at flexcel – Jasper 16th Street are located in Dubois County and the PTE for particulate matter for the entire source exceeds 100 tons per year. Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2(a), Non-attainment Area Particulate Limitations), the allowable particulate matter emission rate from the woodworking operations shall not exceed three-hundredths (0.03) grain per dry standard cubic foot of outlet air. The baghouse shall be in operation at all times that the woodworking operations are in operation, in order to comply with this limit.

326 IAC 6.5-4 (County Specific Particulate Emission Limitations)

The woodworking operations located at flexcel – Jasper 16th Street are located in Dubois County but are not specifically identified in 326 IAC 6.5-4. Therefore, these facilities are not subject to this rule.

326 IAC 6-3 (Particulate Emissions Limitations for Manufacturing Processes)

The insignificant woodworking operations are subject to the requirements of 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2(a)) since 326 IAC 6-1-2(a) remains in effect under 40 CFR 62, Subpart P, these woodworking operations are exempt from the requirements of 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1(c)(3).

State Rule Applicability – flexcel – Jasper 16th Street: Boilers

326 IAC 6.5-1-2 (County Specific Particulate Emissions Limitations)

(a) The source is located in Dubois County, but the 25.1 MMBtu wood-fired boiler (B-1B) is not listed in 326 IAC 6.5-4. The potential to emit for particulate matter for this entire source is greater than 100 tons per year. The maximum heat input capacity of this boiler is greater than or equal to 25 MMBtu/hr but less than or equal to 250 MMBtu/hr. Pursuant to 326 IAC 6.5-1-2(b)(1)(B), the particulate matter emissions from this boiler shall not exceed thirty five hundredths (0.35) pounds per MMBtu of heat input.

(b) The 16.7 MMBtu/hr natural gas-fired boiler (B-2B) is located in Dubois County, but this emissions unit is not specifically identified in 326 IAC 6.5-4. This boiler is equipped to burn only natural gas. Pursuant to 326 IAC 6.5-1-2(b)(3), particulate matter emissions from the 16.7 MMBtu per hour boiler (identified as B-2B) shall not exceed 0.01 grain per dry standard cubic foot.

326 IAC 6.5-4 (County Specific Particulate Emission Limitations: Dubois County)

The 25.1 MMBtu per hour wood-fired boiler (B-1B) and the 16.7 MMBtu/hr natural gas-fired boiler (B-2B) located at the flexcel – Jasper 16th Street plant are located in Dubois County but are not specifically listed in 326 IAC 6.5-4. Therefore, the requirements of 326 IAC 6.5-4 do not apply.

326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)

The 25.1 MMBtu per hour (B-1B) and 10.7 MMBtu per hour (B-2B) are subject to the requirements of 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2). Since 326 IAC 6-1-2 remains in effect under 40 CFR 52, Subpart P, these boilers are exempt from 326 IAC 6-2, pursuant to 326 IAC 6-2-1(e).

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The 25.1 MMBtu/hr wood-fired boiler and the 16.7 MMBtu/hr natural gas-fired boiler are not subject to the requirements of 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations) because they each have the potential to emit less than 25 tons per year of SO_2.

State Rule Applicability - flexcel – Jasper 15th Street: Surface Coating

326 IAC 6.5-1-2 (Non-attainment Area Particulate Limitations)

The source is located in Dubois County and the PTE for particulate matter for the entire source exceeds 100 tons per year. Pursuant to 326 IAC 6.5-1-2(a) (Non-attainment Area Particulate Limitations), the allowable PM emission rate from each of the surface coating operations located at the flexcel – Jasper 15th Street plant shall not exceed three-hundredths (0.03) grain per dry standard cubic foot. The dry filters, water pans and baffles shall be in operation at all times that the surface coating operations are in operation, in order to comply with this limit.

326 IAC 6.5-4 (County Specific Particulate Emission Limitations: Dubois County)

The surface coating operations located at the flexcel – Jasper 15th Street plant are located in Dubois County but are not specifically listed in 326 IAC 6.5-4. Therefore , 326 IAC 6.5-4 is not applicable to these units.

326 IAC 6-3 (Particulate Emissions Limitations for Manufacturing Processes)

The surface coating operations are subject to a particulate matter limitation established in 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2). Since the requirements of 326 IAC 6-1-2 remain in effect under 40 CFR 62, Subpart P, these units are exempt from 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1(c)(3).

326 IAC 8-1-6 (General Reduction Requirements for VOC Emissions)

(a) The surface coating booths located at flexcel – Jasper 15th Street and identified as SB-1, SB-3, SB-4, SB-6, SB-8, SB-10AB, SB-11, SB-13, SB-23, SB-24, SB-26, SB-27, SB-30, and DT-25 were constructed prior to January 1, 1980. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(b) The surface coating booths located at flexcel – Jasper 15th Street and identified as SB-2, SB-5, SB-9, SB-12, SB-14, SB-15, SB-16, SB-17, SB-18, SB-19, SB-20, SB-21, SB-37, DT-22, and DT-38 are regulated by requirements of 326 IAC 8-2-12. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(c) The surface coating booths located at flexcel - Jasper 15th Street and identified as SB-28 and SB-29 are regulated by requirements of 326 IAC 8-2-6. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(d) The surface coating booths located at flexcel – Jasper 15th Street and identified as SB-7, SB-32, and SB-33 were either constructed or reconstructed after January 1, 1980 and before July 1, 1990 and have a potential to emit VOC greater than twenty-five (25) tons per year. Therefore, these spray booths are subject to the requirements of 326 IAC 8-1-6.

Since 326 IAC 8-1-6 was established there have been other technology based regulations promulgated that target a specific process type or industry. Some general examples of these facility specific regulations are National Emission Standards for Hazardous Air Pollutants (NESHAP) and Reasonably Available Control Technology (RACT) rules. The legislative process to which these rules are subject typically involves a comprehensive evaluation of possible control technologies and emission reduction measures based on technical and financial feasibility. In some cases these facility specific regulations have standards that require reductions in VOC emissions and would have been applicable to a facility subject to 326 IAC 8-1-6 (BACT) if that facility had been constructed more recently. The IDEM, OAQ, has determined that, in certain cases, the reduction requirements of a more current and tailored rule (like 326 IAC 8-2-12) may fulfill the requirements of the 326 IAC 8-1-6 BACT.

The US EPA contracted Engineering Science to research, evaluate and recommend RACT level of controls for three major wood furniture coating sources in Clark County as part of an analysis of what they approved as the proposed SIP for Clark and Floyd counties in January 26, 1987. The report (completed in April 1984) evaluated: airless or air-assisted airless spray application methods; the use of electrostatic spray application on cabinet doors; incineration; and/or waterborne or high solids coatings. Airless/air-assisted airless application methods were considered to be RACT since they are demonstrated to have a higher transfer efficiency than conventional air spray. Incineration was considered to be technologically feasible but in most cases not economically infeasible. Waterborne and high solids coatings were not recommended as RACT since, at the time, many of the various furniture finishes were not available in such formulations and that the use of waterborne or low-solvent coatings are commercially unacceptable due to grain raising, haziness, lack of depth or sheen, and inadequate smoothness.

The spray booths located at flexcel-Jasper 15th Street and identified as SB-7, SB-32, and SB-33 are equipped with HVLP guns which, pursuant to 8-2-12, are an acceptable alternative method of application for Air Assisted Airless Spray Application. As a result, IDEM decided that compliance with 326 IAC 8-2-12 will serve as BACT for these surface coating operations. Therefore, utilization of the 326 IAC 8-2-12 compliant methods of application will satisfy the requirements of 326 IAC 8-1-6.

326 IAC 8-2-6 (Metal Furniture Coating)

(a) The surface coating booths located at flexcel - Jasper 15th Street and identified as SB-27 and SB-30 are located in Dubois County, were constructed prior to January 1, 1980 and apply coatings to metal furniture. Pursuant to 326 IAC 8-2-1(a)(2), the requirements of 326 IAC 8-2-6 do not apply to these facilities.

(b) The surface coating booths located at flexcel - Jasper 15th Street and identified as SB-28 and SB-29 are located in Dubois County, were constructed after January 1, 1980, apply coatings to metal furniture and have potential emissions of greater than twenty-five (25) tons per year of VOC. (See calculations in Appendix A) Pursuant to 326 IAC 8-2-6, the Permittee shall not allow the discharge into the atmosphere of any volatile organic compounds (VOC) in excess of three (3) pounds per gallon, excluding water, delivered to the applicator at booths SB-28 and SB-29.

326 IAC 8-2-12 (Wood Furniture and Cabinet Coating)

(a) The surface coating booths located at flexcel – Jasper 15th Street and identified as SB-1, SB-3, SB-4, SB-6, SB-7, SB-8, SB-10AB, SB-11, SB-13, SB-23, SB-24, SB-26, SB-32, SB-33, and DT-25 are located in Dubois County, apply surface coatings to wood furniture and cabinets and were constructed prior to July 1, 1990. Therefore, the requirements of 326 IAC 8-2-12 do not apply. These emission units comply with the requirements of 326 IAC 8-2-12.

(b) The surface coating booths located at flexcel – Jasper 15th Street and identified as SB-2, SB-5, SB-9, SB-12, SB-14, SB-15, SB-16, SB-17, SB-18, SB-19, SB-20, SB-21, SB-37, DT-22, and DT-38 are located in Dubois County, apply surface coatings to wood furniture and cabinets, were constructed after July 1, 1990, and have actual emissions of greater than fifteen (15) pounds of VOC per day before add-on controls. Therefore, they are subject to 326 IAC 8-2-12. Pursuant to 326 IAC 8-2-12, with the exception of no more than ten (10) gallons of coating per day used for touch-up and repair operations, the surface coating applied to wood furniture and cabinets shall utilize one of the following application methods:

Airless Spray Application
Air Assisted Airless Spray Application
Electrostatic Spray Application
Electrostatic Bell or Disc Application
Heated Airless Spray Application
Roller Coating
Brush or Wipe Application
Dip-and-Drain Application

High Volume Low Pressure (HVLP) Spray Application is an accepted alternative method of application for Air Assisted Airless Spray Application. HVLP spray is the technology used to apply coating to 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.

326 IAC 8-11 (Wood Furniture Coatings)

Pursuant to 326 IAC 8-11-1, this source is not subject to the requirements of 326 IAC 8-11 because the source is located in Dubois County.

State Rule Applicability –flexcel – Jasper 15th Street: Insignificant Woodworking Operations

326 IAC 2-7-1(21)(G)(xxix) (Insignificant Activities)

Pursuant to 326 IAC 2-7-1(21)(G)(xxix), the three (3) woodworking operations located at flexcel – Jasper 15th Street, identified as MD, CD-1 and T-1, and controlled by a baghouse shall be considered insignificant woodworking operations provided that: the baghouses do not exhaust to the atmosphere greater than one hundred twenty-five thousand (125,000) cubic feet per minute, the baghouses do not emit particulate matter with a diameter less than ten (10) microns in excess of three-thousandths (0.003) grain per dry standard cubic feet of outlet air, the opacity from the baghouses does not exceed ten percent (10%), and, the baghouses are in operation at all times that the woodworking equipment is in use.

326 IAC 6.5-1-2 (Particulate Emission Limitations)

The woodworking operations located at flexcel – Jasper 15th Street are located in Dubois County and the PTE for particulate matter for the entire source exceeds 100 tons per year. Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2(a)), the allowable PM emission rate from each of the woodworking operations shall not exceed three-hundredths (0.03) grain per dry standard cubic foot of outlet air. The baghouses shall be in operation at all times that the woodworking operations are in operation, in order to comply with this limit.

326 IAC 6.5-4 (County Specific Particulate Emission Limitations)

The woodworking operations located at flexcel – Jasper 15th Street are located in Dubois County but are not specifically identified in 326 IAC 6.5-4 (formerly 326 IAC 6-1-9). These facilities are therefore not subject to the requirements of 326 IAC 6.5-4.

326 IAC 6-3 (Particulate Emissions Limitations for Manufacturing Processes)

The woodworking operations are subject to 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2). Since 326 IAC 6-1 remains in effect under 40 CFR 52, Subpart P, these emission units are exempt from 326 IAC 6-2-2, pursuant to 326 IAC 6-3-1(c)(3).

State Rule Applicability - flexcel – Jasper 15th Street: Boilers

326 IAC 6.5-1-2 (County Specific Particulate Emissions Limitations)

(a) The source is located in Dubois County, but the 14.3 MMBtu wood-fired boiler (B-1C) is not listed in 326 IAC 6.5-4 (formerly 326 IAC 6-1-9). The potential to emit for particulate matter for this entire source is greater than 100 tons per year. The maximum heat input capacity of this boiler is less than 25 MMBtu/hr. Pursuant to 326 IAC 6.5-1-2(b)(1)(C), the particulate matter emissions from this boiler shall not exceed six-tenths (0.6) pound per MMBtu of heat input.

(b) The source is located in Dubois County, but the 16.8 MMBtu natural gas-fired boiler (B-2C) burning No. 2 fuel oil as emergency backup fuel is not listed in 326 IAC 6.5-4. The potential to emit for particulate matter for this entire source is greater than 100 tons per year. Pursuant to 326 IAC 6.5-1-2(b)(3), the particulate matter emissions from this boiler shall not exceed one-hundredth (0.01) grain per dry standard cubic feet when burning natural gas. Pursuant to 326 IAC 6.5-1-2(b)(2), the particulate matter emissions from this boiler shall not exceed fifteen-hundredths (0.15) pound per MMBtu heat input when burning No. 2 fuel oil.

326 IAC 6.5-4 (County Specific Particulate Emission Limitations: Dubois County)

The 14.3 MMBtu wood-fired boiler (B-1C) and the 16.8 MMBtu/hr natural gas-fired boiler (B-2C) located at the flexcel – Jasper 15th Street plant are located in Dubois County but are not specifically listed in 326 IAC 6.5-4 (formerly 326 IAC 6-1-9). Therefore, 326 IAC 6.5-4 does not apply to these units.

326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)

The 14.3 MMBtu wood-fired boiler (B-1C) and the 16.8 MMBtu/hr natural gas-fired boiler (B-2C) located at the flexcel – Jasper 15th Street plant are subject to the requirements of 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2). Since 326 IAC 6-1 remains in effect under 40 CFR 52, Subpart P, these boilers are exempt from the requirements of 326 IAC 6-2, pursuant to 326 IAC 6-2-1(e).

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

(a) The 14.3 MMBtu/hr wood-fired boiler (B-1C) located at the flexcel – Jasper 15th Street plant is not subject to the requirements of 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations) because this boiler has the potential to emit less than 25 tons per year of SO_2.

(b) The 16.8 MMBtu/hr natural gas-fired boiler (B-2C) located at the flexcel – Jasper 15th Street plant is not subject to the requirements of 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations) when burning only natural gas because this boiler has the potential to emit less than 25 tons per year of SO_2 when burning only natural gas.

(c) The 16.8 MMBtu/hr natural gas-fired boiler (B-2C) located at the flexcel – Jasper 15th Street plant is subject to the requirements of 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations) when burning No. 2 fuel oil as emergency backup fuel because this boiler has the potential to emit greater than 25 tons per year of SO_2 when burning No. 2 fuel oil. Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations) the SO_2 emissions from the 16.8 MMBtu per hour boiler shall not exceed five tenths (0.5) pound per MMBtu heat input when burning No. 2 fuel oil as emergency backup fuel. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

State Rule Applicability - flexcel – Jasper 15th Street: Insignificant Activities

326 IAC 6.5-1-2 (County Specific Particulate Emissions Limitations)

The source is located in Dubois County, but the enclosed powder coating booth, identified as PB #1, and the two (2) Kimball Color Studio Samples Spray Booth, identified as SB-34 and SB-35, are not listed in 326 IAC 6.5-4 (formerly 326 IAC 6-1-9). The potential to emit for particulate matter for this entire source is greater than 100 tons per year. Pursuant to 326 IAC 6.5-1-2(a) (Non-attainment Area Particulate Limitations), the allowable PM emission rate from each of these insignificant activities shall not exceed three-hundredths (0.03) grain per dry standard cubic foot of outlet air. The dry filters shall be in operation at all times that these insignificant activities are in operation, in order to comply with this limit.

326 IAC 6.5-4 (County Specific Particulate Emission Limitations: Dubois County)

The enclosed powder coating booth, identified as PB #1, and the two (2) Kimball Color Studios Samples Spray Booth, identified as SB-34 and SB-35, are located in Dubois County but are not specifically listed in 326 IAC 6.5-4 (formerly 326 IAC 6-1-9). Therefore, 326 IAC 6.5-4 does not apply.

326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Operations)

The enclosed powder coating booths (PB #1) and the two Kimball Color Studios Samples Spray Booths (SB-34 and SB-35) are subject to the requirements of 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2). Since 326 IAC 6-1 remains in effect under 40 CFR 52, Subpart P, the paint booths are exempt from the requirements of 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1(c)(3).

326 IAC 4-2-2 (Burning Regulations)

Pursuant to Exemption 037-17176-00100, issued on June 12, 2003, and 326 IAC 4-2-2, the pyrolysis cleaning furnace (BO-3) shall:

(a) Consist of primary and secondary chambers or the equivalent.

(b) Be equipped with a primary burner unless burning wood products.

(c) Comply with 326 IAC 5-1 and 326 IAC 2.

(d) Be maintained properly as specified by the manufacturer and approved by the commissioner.

(e) Be operated according to the manufacturer's recommendations and only burn waste approved by the commissioner.

(f) Comply with other state and/or local rules or ordinances regarding installation and operation of incinerators.

(g) Be operated so that emissions of hazardous material including, but not limited to, viable pathogenic bacteria, dangerous chemicals or gases, or noxious odors are prevented.

(h) Not emit particulate matter in excess of five-tenths (0.5) pounds of particulate matter per one thousand (1,000) pounds of dry exhaust gas at standard conditions corrected to fifty percent (50%) excess air.

(i) Not create a nuisance or a fire hazard.

If any of the above result, the burning shall be terminated immediately.

State Rule Applicability - Kimball Electronics, Inc.: Individual Facilities

326 IAC 2-7-10.5 (Minor Source Modification)

Pursuant to 326 IAC 2-7-10.5(d)(5) and Minor Source Modification 037-17162-00100, issued on May 28, 2003, the total usage of a single HAP (Toluene) in the two (2) PVA 2000 selective conformal coating systems, identified as PVA-S-05 and PVA-S-06, shall be limited to less than ten (10) tons per twelve consecutive month period, with compliance determined at the end of each month. Compliance with this limit makes the requirements of 326 IAC 2-4.1 and the requirements of 326 IAC 2-7-10.5(f) not applicable.

326 IAC 6.5-1-2 (County Specific Particulate Emissions Limitations)

The source is located in Dubois County, but the individual facilities are not listed in 326 IAC 6.5-4. The potential to emit for particulate matter for this entire source is greater than 100 tons per year. Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2(a)), the particulate matter emissions from the individual facilities located at Kimball Electronics, Inc. and identified as WSU6, WSU7, WSU8, WSU9, CC2, CC3, PVA-S-05, PVA-S-06, PVA-7, PVA-8, SS1, SS2, Milling, PWB, and the Econopak I SMT Wavesoldering systems shall not exceed three-hundredths (0.03) grain per dry standard cubic feet.

326 IAC 6.5-4 (County Specific Particulate Emission Limitations: Dubois County)

The individual facilities located at the Kimball Electronics, Inc. plant are located in Dubois County but are not specifically listed in 326 IAC 6.5-4 (formerly 326 IAC 6-1-9). Therefore, 326 IAC 6.5-4 does not apply.

326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)

The emission units identified as WSU6, WSU7, WSU8, WSU9, CC2, CC3, PVA-S-05, PVA-S-06, PVA-7, PVA-8, SS1,SS2, Milling, PWB, and Econopak 1 SMT Wavesoldering Systems are subject to the requirements of 326 IAC 6.5-1-2 (formerly 326 IAC 6-1-2). Since 326 IAC 6-1 remains in effect under 40 CFR 52, Subpart P, these emissions units are exempt from the requirements of 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1(c)(3).

326 IAC 8-1-6 (General Reduction Requirements for VOC Emissions)

(a) The facilities located at Kimball Electronics and identified as WSU6 and WSU7 were constructed prior to January 1, 1980. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(b) The facilities located at Kimball Electronics and identified as WSU8, WSU9, SS1, SS2, SMT Wavesoldering, AQW1, AQW2, AQW3, Meter Mix Dispensing, Pillarhouse 2, RSO1 through RSO9, and EPS were constructed after January 1, 1980. These emission units were added under Exemptions, Registrations or as Insignificant Activities. Their potential to emit of VOC is less than 25 tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(c) The facilities located at Kimball Electronics and identified as CC2, CC3, PVA-S-05, PVA-S-06, PVA-7 and PVA-8, and LCC PR-4 are regulated by requirements of 326 IAC 8-2-9. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

326 IAC 8-2-9 (Miscellaneous Metal Coating Operations)

(a) The facilities located at Kimball Electronics and identified as CC2, CC3, PVA-S-05, PVA-S-06, PVA-7, PVA-8, and LCC PR-4 are located in Dubois County, were constructed after November 1, 1980 and apply coatings to miscellaneous metal parts. The PTE for VOC for each of these faciliites is less than 25 tons per year. Therefore, pursuant to 326 IAC 8-1-2(a)(2), the requirements of 326 IAC 8-2-9 do not apply.

(b) The facilities located at Kimball Electronics and identified as CC2, CC3, PVA-S-05, PVA-S-06. PVA-7 and PVA-8, and LCC PR-4 are located in Dubois County, were constructed after July 1, 1990 and apply coatings to miscellaneous metal parts. The actual emissions of VOC for each of these faciliites is less than 15 pounds per day before add-on controls. Therefore, pursuant to 326 IAC 8-1-2(a)(4), the requirements of 326 IAC 8-2-9 do not apply.

Testing Requirements

(a) Wood-fired Boilers and Natural Gas-fired Boilers
The wood-fired boilers (B-1A, B-1B, B-1C) at this contiguous source do not have a testing requirement for PM and PM10 because this emissions unit accounts for a small portion of the total potential to emit for PM and PM10 from the source before controls. The natural gas-fired boilers (B-2A, B-2B, B-2C) at this contiguous source do not have a testing requirement for SO_2 when burning No. 2 fuel oil as emergency backup because the AP-42 emission factor for this pollutant has a high rating.

(b) Woodworking Operations
The insignificant woodworking operations at this contiguous source do not have a testing requirement. The insignificant woodworking operations are required by Conditions in the Permit to use baghouses to control PM and PM10 emissions. Visible emission notations, quarterly inspection, and bag failure requirements have been added consistent with current compliance monitoring requirements for insignificant woodworking sources. These monitoring requirements should be sufficient to ensure compliance with the particulate matter emission limitations specified in the Permit.

(c) Surface Coating Operations
The surface coating operations at this contiguous source do not have a testing requirement for PM, PM10 or VOC. Each of these emissions units accounts for a small portion of the total potential to emit for PM or PM10 from the source before controls. Stack testing for VOC emissions is not required there are no VOC control devices in operation and records must be kept of all VOCs used at the source.

(d) IDEM may require testing at any time to determine if the facilities are in compliance with the emissions limitations contained in 326 IAC 2-2 (PSD), 326 IAC 2-4.1, 326 IAC 5-1, 326 IAC 6.5-1-2, 326 IAC 6.5-4-17, 326 IAC 7-1.1, 326 IAC 8-1-6, 326 IAC 8-2-12 and 326 IAC 2-7 (Part 70).

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less 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 requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions 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 approporiate corrective actions within a specific time period.

The compliance monitoring requirements applicable to this source are as follows:

1. The insignificant woodworking operations have applicable compliance monitoring conditions as specified below:

   (a) Visible emissions from the baghouses shall be observed daily using procedures in accordance with Method 22 and normal or abnormal emissions are recorded. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. In the event abnormal emissions are observed for greater than six (6) minutes in duration, the baghouse shall be inspected and corrective actions, such as replacing or reseating bags, shall be initiated, when necessary.

   (b) The baghouses for particulate control shall be in operation at all times when the woodworking facilities are in operation.

   (c) An inspection shall be performed each calendar quarter of all bags controlling the woodworking operations when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.

   (d) In the event that bag failure has been observed:

      (1) For a single compartment baghouse-controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

      (2) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

      (3) Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

   These monitoring conditions are necessary because the baghouses for the woodworking operations must operate properly to ensure compliance with 326 IAC 2-7-1(21)(G)(xxix) (Insignificant Activities), 326 IAC 6.5-1-2 (County Specific Particulate Emission Limitations), 326 IAC 6.5-4-17 (County Specific Particulate Emission Limitations; Dubois County) and 326 IAC 2-7 (Part 70).

2. The surface coating operations have applicable compliance monitoring conditions as specified below:

   (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. Daily inspections shall be performed to verify that the water level of the water pans meet the manufacturer's recommended level. To monitor the performance of the water pans, the water level of the pans shall be maintained weekly at a level where surface agitation indicates impact of the air flow. Water shall be kept free of solids and floating material that reduces the capture efficiency of the water pan. To monitor the performance of the baffles, weekly inspections of the baffle panels shall be conducted to verify placement and configuration meet recommendations of the manufacturer. To monitor the performance of the dry filters, water pans and baffles, weekly observations shall be made of the overspray from the surface coating booth stacks while one or more of the booths are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

   (b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

   These monitoring conditions are necessary because the filters, water pans and baffles for the surface coating operations must operate properly to ensure compliance with 326 IAC 6.5-1-2 (County Specific Particulate Emission Limitations) and 326 IAC 2-7 (Part 70).

3. The wood-fired boilers (B-1A, B-1B, B-1C) and the natural gas-fired boiler using No. 2 fuel oil as emergency backup fuel (B-2C) have applicable compliance monitoring conditions as specified below:

   (a) Visible emission notations of the wood-fired boilers stack exhaust shall be performed once per day during normal daylight operations while combusting wood. Visible emission notations of the natural gas-fired boiler (B-2C) stack exhaust shall be performed once per day during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

   (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

   (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

   (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

   (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

These monitoring conditions are necessary because the boilers must operate properly to ensure compliance with 326 IAC 6.5-1-2 (County Specific Particulate Emission Limitations), 326 IAC 6.5-4-17 (County Specific Particulate Emission Limitations; Dubois County), 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations), and 326 IAC 2-7 (Part 70).

Conclusion

The operation of the 4 manufacturing plants (flexcel – Jasper Cherry Street, flexcel – Jasper 16th Street, flexcel – Jasper 15th Street, and Kimball Electronics, Inc.) in this contiguous source (Kimball International, Inc. – 15th Street Contiguous Source) engaged in: (1) the laminating of hardwood veneers, softwood veneers and high pressure plastic laminates (HPL) onto particleboard and medium density fiberboard (MDF) products; (2) manufacturing medium and high end furniture, primarily for the lodging industry; (3) manufacturing high end wood office furniture and metal wall panels; and (4) assembly of printed circuits and electronic devices, respectively, shall be subject to the conditions of this Part 70 permit 037-7356-00100.

Appendix A: Emission Calculations
Particulate Emissions - Insignificant Woodworking & Milling Operations

Company Name: Kimball International, Inc. - 15th Street Contiguous Source
Address: 1620 Cherry Street, 1180 East 16th Street, 1037 East 15th Street & 1038 East 15th Street, Jasper, IN 47549
Title V: 037-7356-00100
Reviewer: ERG/ST
Date: January 16, 2006

Location	Control Device ID	Outlet Grain Loading (gr/dscf)	Maximum Air Flow Rate (scfm)	Control Efficiency (%)	PTE of PM/PM10 After Control (lbs/hr)	PTE of PM/PM10 After Control (tons/yr)	PTE of PM/PM10 Before Control (lbs/hr)	PTE of PM/PM10 Before Control (tons/yr)
Cherry Street	TD1	0.001	70,000	99.0%	0.60	2.63	60.0	263
Cherry Street	TD2	0.001	50,000	99.0%	0.43	1.88	42.9	188
Cherry Street	TD3	0.001	14,500	99.0%	0.12	0.54	12.4	54.4
Cherry Street	TD4	0.001	63,000	99.0%	0.54	2.37	54.0	237
Cherry Street	TD5	0.001	62,970	99.0%	0.54	2.36	54.0	236
Cherry Street	TD6	0.001	62,970	99.0%	0.54	2.36	54.0	236
16th Street	BH1 (MV)	0.001	78,385	99.0%	0.67	2.94	67.2	294
15th Street	MD	0.001	76,800	99.0%	0.66	2.88	65.8	288
15th Street	CD-1	0.001	45,000	99.0%	0.39	1.69	38.6	169
15th Street	T-1	0.001	61,000	99.0%	0.52	2.29	52.3	229
Kimball Electronics	DC-1	0.010	4,000	95.0%	0.34	1.50	6.86	30.0
Kimball Electronics	DC-2	0.001	4,000	99.0%	0.03	0.15	3.43	15.0
Total					**5.39**	**23.6**	**511**	**2,240**

Assume all PM emissions equal PM10 emissions.
All control devices are bagouses except for DC-1 (cyclone) and DC-2 (filter cartridge).

Methodology
PTE of PM/PM10 After Control (lbs/hr) = Grain Loading (gr/dscf) x Max. Air Flow Rate (scfm) x 60 (mins/hr) x 1/7000 (lb/gr)
PTE of PM/PM10 After Control (tons/yr) = Grain Loading (gr/dscf) x Max. Air Flow Rate (scfm) x 60 (mins/hr) x 1/7000 (lb/gr) x 8760 (hrs/yr) x 1 ton/2000 lbs
PTE of PM/PM10 Before Control (lbs/hr) = PTE of PM/PM10 After Control (lbs/hr) / (1-Control Efficiency%)
PTE of PM/PM10 Before Control (tons/yr) = PTE of PM/PM10 After Control (tons/yr) / (1-Control Efficiency%)

The baghouses must be in operation at all times that the woodworking and machining operations are in operation in order to ensure compliance with 326 IAC 6.5-1-2 and 326 IAC 6.5-4-17.

Appendix A: Emission Calculations
Combustion Emissions from the Natural Gas-fired Space Heaters, Air Makeup Units, Ovens and Water Heaters

Company Name: Kimball International, Inc. - 15th Street Contiguous Source
Address: 1620 Cherry Street, 1180 East 16th Street, 1037 East 15th Street & 1038 East 15th Street, Jasper, IN
Title V: 037-7356-00100
Reviewer: ERG/ST
Date: January 16, 2006

Description	Total Heat Input Capacity (MMBtu/hr)	Total Max. Potential Throughput (MMCF/yr)
Heaters, Air Make-up Units, Ovens and Water Heaters (39 units)	83.6	732

Pollutant Emission Factors (lbs/MMCF)						
PM*	**PM10***	**SO_2**	**NO_X****	**CO**	**VOC**	**HAPs**
7.6	7.6	0.6	100	84.0	5.5	1.89

	Potential To Emit (tons/yr)						
Emission Unit ID	**PM**	**PM10**	**SO_2**	**NO_X**	**CO**	**VOC**	**HAPs**
Heaters, Air Make-up Units, Ovens and Water Heaters (39 units)	2.78	2.78	0.22	36.6	30.7	2.01	0.691

*PM and PM10 emission factor are for condensable and filterable PM and PM10 combined.
**Emission Factors for NOx: Uncontrolled = 100 lbs/MMCF
Emission Factors from AP-42, Chapter 1.4 - Natural Gas Combustion, Tables 1.4-1, 1.4-2, 1.4-3 and 1.4-4. SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03. (AP-42 Supplement D 7/98)

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF - 1,000,000 Cubic Feet of Gas
1000 Btu per cubic foot of natural gas

Methodology
Max. Potential Throughput (MMCF/yr) = Heat Input Capacity (MMBtu/hr) x 8,760 (hrs/yr) x 1 MMCF/1,000 MMBtu
PTE (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF) x 1ton/2000 lbs

N 47549

Appendix A: Emission Calculations
Combustion Emissions for Wood Fired Boilers

Company Name: Kimball International, Inc. - 15th Street Contiguous Source
Address: 1620 Cherry Street, 1180 East 16th Street, & 1037 East 15th Street, Jasper, IN 47549
Title V: 037-7356-00100
Reviewer: ERG/ST
Date: January 16, 2006

Emission Unit Description	Emission Unit ID	Max. Heat Input Capacity (MMBtu/hr
Wood-Fired Boiler (Cherry St.)	B-1A	20.5
Wood-Fired Boiler (16th St.)	B-1B	25.1
Wood-Fired Boiler (15th St.)	B-1C	14.3

Pollutant Emission Factors (lbs/MMBtu)								
PM *	PM10 *	SO_2	NOx	CO	VOC	HAP (metals)	HAP (hydrogen chloride)	HAP (other)
0.417	0.377	0.025	0.49	0.60	0.017	1.76E-03	1.90E-02	1.76E-02

Potential To Emit (tons/yr)									
Emission Unit ID	PM	PM10	SO_2	NO_X	CO	VOC	HAP (metals)	HAP (hydrogen chloride)	HAP (other)
B-1A	37.4	33.9	2.24	44.0	53.9	1.53	0.16	1.71	1.58
B-1B	45.8	41.4	2.75	53.9	66.0	1.87	0.19	2.09	1.93
B-1C	26.1	23.6	1.57	30.7	37.6	1.06	0.11	1.19	1.10
TOTALS	**109**	**98.9**	**6.56**	**129**	**157**	**4.46**	**0.46**	**4.98**	**4.62**

* PM and PM10 emission factors are for condensable and filterable PM and PM10 combined.
Emission Factors are from AP-42, Chapter 1.6 - Wood Residue Combustion in Boilers, Tables 1.6-1, 1.6-2, 1.6-3 and 1.6-4 (dry wood)(9/03).
Dry wood has a heat value of 8,000 Btu/lb or 16 MMBtu/ton. (AP-42, Chapter 1.6 - Wood Residue Combustion in Boilers, Page 1.6-1 (9/03)).
HAP emissions from the wood-fired boilers include acetaldehyde, acrolien, arsenic, benzene, chlorine, chromium, formaldehyde, hydrogen

Methodology
PTE (tons/yr) = Max. Heat Input Capacity (MMBtu/hr) x Emission Factor (lb/MMBtu) x 8760 (hrs/yr) x 1 ton/2000 lbs.

Appendix A: Emission Calculations
Combustion Emissions for Natural Gas Fired Boilers

Company Name: Kimball International, Inc. - 15th Street Contiguous Source
Address: 1620 Cherry Street, 1180 East 16th Street, & 1037 East 15th Street, Jasper, IN 47549
Title V: 037-7356-00100
Reviewer: ERG/ST
Date: January 16, 2006

Emission Unit Description	Emission Unit ID	Heat Input Capacity (MMBtu/hr	Maximum Potential Throughput (MMCF/yr)
Natural Gas-Fired Boiler	B-2A	16.8	147
Natural Gas-Fired Boiler	B-2B	16.7	146
Natural Gas-Fired Boiler	B-2C	16.8	147

Pollutant Emission Factors (lbs/MMCF)						
PM*	PM10*	SO_2	NO_X**	CO	VOC	HAPs
7.6	7.6	0.6	100	84.0	5.5	1.89

Potential To Emit (tons/yr)							
Emission Unit ID	PM	PM10	SO_2	NO_X	CO	VOC	HAPs
B-2A	0.56	0.56	0.04	7.36	6.18	0.40	0.14
B-2B	0.56	0.56	0.04	7.31	6.14	0.40	0.14
B-2C	0.56	0.56	0.04	7.36	6.18	0.40	0.14
TOTALS	**1.67**	**1.67**	**0.13**	**22.0**	**18.5**	**1.21**	**0.42**

* PM and PM10 emission factor are for condensable and filterable PM and PM10 combined.
**Emission factors for NOx: Uncontrolled = 100 lb/MMCF
Emission factors are from AP-42, Chapter 1.4 - Natural Gas Combustion, Tables 1.4-1, 1.4-2, 1.4-3 and 1.4-4. SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03. (AP-42 Supplement D 7/98)
1 MMBtu = 1,000,000 Btu
1 MMCF = 1,000,000 cubic feet of gas
All emission factors are based on normal firing.

Methodology
Max. Potential Throughput (MMCF/yr) = Heat Input Capacity (MMBtu/hr) x 8,760 (hrs/yr) x 1 MMCF/1,000 MMBtu
PTE (tons/yr) = Max. Potential Throughput (MMCF/yr) x Emission Factor (lbs/MMCF) x 1 ton/2,000 lbs

Appendix A: Emission Calculations
VOC and PM/PM10 Emissions: Metal Coating Booths

Company Name: Kimball International, Inc. - 15th Street Contiguous Source
Address: 1037 East 15th Street, Jasper, IN 47549
Title V: 037-7356-00100
Reviewer: ERG/ST
Date: January 16, 2006

Metal Spray Booths SB-27, SB-28, SB-29 and SB-30

							Potential to Emit		
Coating Material	**Density (lbs/gal)**	**Weight % VOC**	**Weight % Solids**	**Actual Usage * (gals/yr)**	**Maximum Usage * (gals/yr)**	**VOC (lbs/gal) Less Water**	**PTE of VOC (tons/yr)**	**PTE of PM/PM10 Before Controls (tons/yr)**	**PTE of PM/PM10 After Controls (tons/yr)**
50-8747 White HSE 401	12.92	21.0%	79.0%	52	97	2.7	0.13	0.12	0.02
52-0824 Chamois HSE 403	12.00	19.0%	81.0%	260	487	2.3	0.55	0.59	0.12
52-0681 Wallaby HSE 419	13.31	17.0%	83.0%	7228	13529	2.3	15.3	18.68	3.74
52-0829 Sandstone HSE 420	12.02	19.3%	80.7%	4576	8565	2.3	9.92	10.39	2.08
52-0830 Shadow HSE 425	10.57	25.0%	75.0%	364	681	2.6	0.90	0.68	0.14
52-0682 Barley HSE 427	13.31	17.0%	83.0%	9048	16936	2.3	19.2	23.39	4.68
52-0680 Tantalum HSE 429	13.31	17.0%	83.0%	156	292	2.3	0.33	0.40	0.08
52-0827 Fog HSE 450	11.55	23.0%	77.0%	260	487	2.7	0.65	0.54	0.11
18-3249 Environmental Gray HSE 453	10.64	26.2%	73.8%	156	292	2.8	0.41	0.29	0.06
52-0683 Featherstone HSE 459	13.31	17.0%	83.0%	52	97	2.3	0.11	0.13	0.03
52-0831 Storm 460	10.87	25.0%	75.0%	104	195	2.7	0.26	0.20	0.04
52-0828 Graphite HSE 461	10.07	28.0%	72.0%	1092	2044	2.8	2.88	1.85	0.37
52-0825 Cinder HSE 462	9.81	30.0%	70.0%	3900	7300	2.9	10.7	6.27	1.25
52-0713 Antique White HSE 480	13.48	17.0%	83.0%	104	195	2.3	0.22	0.27	0.05
52-0709 Dark Chocolate HSE 485	13.28	17.0%	83.0%	1456	2725	2.3	3.08	3.75	0.75
52-0497B Platinum HSE 501	9.54	29.3%	70.8%	3432	6424	2.8	8.96	5.42	1.08
52-0734 Taupe Metallic HSE 504	9.91	26.0%	74.0%	468	876	2.6	1.13	0.80	0.16
52-0761 Satin Bronze HSE 505	10.00	27.5%	72.5%	4108	7689	2.8	10.6	6.97	1.39
52-0733 Patina Metallic HSE 507	9.91	26.0%	74.0%	1404	2628	2.6	3.39	2.41	0.48
						Totals	**88.7**	**83.2**	**16.6**

* Actual Usage as reported by source, based on 4,680 hours of operation per year. Maximum usage scaled up to reflect 8,760 hours of operation per year.
Assume all PM = PM10
Assume transfer efficiency of 75% for HVLP spray guns and control efficiency of 80% for dry filters.
Assume all VOC is emitted.

METHODOLOGY
Maximum Usage (gals/yr) = Actual Usage (gals/yr) x 8760 (hrs/yr)/2500 (actual hrs/yr)
VOC (lbs/gal) = Density (lbs/gal) x Weight % VOC (%)
PTE of VOC (tons/yr) = Density (lbs/gal) x Weight % VOC x Maximum Usage (gals/yr) x 1 ton /2000 lbs
PTE of PM/PM10 Before Controls (tons/yr) = Density (lbs/gal) x Weight % Solids x Maximum Usage (gals/yr) x 1 ton/2000 lbs x (1-Transfer Efficiency %)

PTE of PM/PM10 After Controls (tons/yr) = PTE PM/PM10 Before Controls (tons/yr) x (1- Control Efficiency %)