



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

To: Interested Parties

Date: January 29, 2015

From: Matthew Stuckey, Chief
Permits Branch
Office of Air Quality

Source Name: Kimball Electronics

Permit Level: MSOP - Transition from Title V

Permit Number: 037 - 34852 - 00039

Source Location: 1038 East 15th Street, Jasper, Indiana

Type of Action Taken: Initial Permit

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 matter referenced above.

The final decision is available on the IDEM website at: <http://www.in.gov/apps/idem/caats/>
To view the document, select Search option 3, then enter permit 34852.

If you would like to request a paper copy of the permit document, please contact IDEM's central file room:

Indiana Government Center North, Room 1201
100 North Senate Avenue, MC 50-07
Indianapolis, IN 46204
Phone: 1-800-451-6027 (ext. 4-0965)
Fax (317) 232-8659

Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

(continues on next page)

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 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, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.



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Minor Source Operating Permit OFFICE OF AIR QUALITY

**Kimball Electronics
1038 East 15th Street
Jasper, Indiana 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.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Indiana statutes from IC 13 and rules from 326 IAC, quoted 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 MSOP under 326 IAC 2-6.1.

Operation Permit No.: MSOP No. 037-34852-00039

Issued by:

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

Issuance Date:

January 29, 2015

Expiration Date:

January 29, 2020



TABLE OF CONTENTS

A. SOURCE SUMMARY	4
A.1 General Information [326 IAC 2-5.1 3(c)][326 IAC 2-6.1-4(a)]	
A.2 Emission Units and Pollution Control Equipment Summary	
B. GENERAL CONDITIONS	6
B.1 Definitions [326 IAC 2-1.1-1]	
B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]	
B.3 Term of Conditions [326 IAC 2-1.1-9.5]	
B.4 Enforceability	
B.5 Severability	
B.6 Property Rights or Exclusive Privilege	
B.7 Duty to Provide Information	
B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]	
B.9 Preventive Maintenance Plan [326 IAC 1-6-3]	
B.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]	
B.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]	
B.12 Permit Renewal [326 IAC 2-6.1-7]	
B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]	
B.14 Source Modification Requirement	
B.15 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2] [IC 13-17-3-2][IC 13-30-3-1]	
B.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]	
B.17 Annual Fee Payment [326 IAC 2-1.1-7]	
B.18 Credible Evidence [326 IAC 1-1-6]	
C. SOURCE OPERATION CONDITIONS	11
Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]	
C.1 Permit Revocation [326 IAC 2-1.1-9]	
C.2 Opacity [326 IAC 5-1]	
C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]	
C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]	
C.5 Fugitive Dust Emissions [326 IAC 6-4]	
C.6 Stack Height [326 IAC 1-7]	
C.7 Asbestos Abatement Projects [326 IAC 14 10] [326 IAC 18] [40 CFR 61, Subpart M]	
Testing Requirements [326 IAC 2-6.1-5(a)(2)]	
C.8 Performance Testing [326 IAC 3-6]	
Compliance Requirements [326 IAC 2-1.1-11]	
C.9 Compliance Requirements [326 IAC 2-1.1-11]	
Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]	
C.10 Compliance Monitoring [326 IAC 2-1.1-11]	
C.11 Instrument Specifications [326 IAC 2-1.1-11]	
Corrective Actions and Response Steps	
C.12 Response to Excursions or Exceedances	
C.13 Actions Related to Noncompliance Demonstrated by a Stack Test	
Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]	
C.14 Malfunctions Report [326 IAC 1-6-2]	

- C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]
- C.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2]
[IC 13-14-1-13]

D.1. EMISSIONS UNIT OPERATION CONDITIONS.....17

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

- D.1.1 Particulate Emission Limitations) [326 IAC 6.5]
- D.1.2 Particulate Control

Annual Notification.....20

Malfunction Report.....21

SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary stationary source that manufactures printed circuit assembly, electronic assemblies for medical, industrial, automotive, public safety equipment and peripheral computer equipment.

Source Address: 1038 East 15th Street, Jasper, Indiana 47549
 General Source Phone Number: (812) 634-4176
 SIC Code: 3577, 3679, 3714
 County Location: Dubois
 Source Location Status: Attainment for all criteria pollutants
 Source Status: Minor Source Operating Permit Program
 Minor Source, under PSD and Emission Offset Rules
 Minor Source, Section 112 of the Clean Air Act
 Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) natural gas-fired boiler, identified as B1, with a maximum heat input capacity of 2.52 million British thermal units per hour (MMBtu/hr).
- (b) Eight (8) circuit assembly stations, permitted in 2006 as described in the table below:

Emission Unit	Unit ID	Installation Date	Stack
Wave Solder	A1	3/1/1994	AS-1
Fluxer	A2	8/1/1996	AS-1
Wave Solder	A3	1/1/1998	AS-2
Fluxer	A4	1/1/2001	AS-2
Wave Solder	A5	2/1/1998	AS-3
Fluxer	A6	10/18/2004	AS-3
Wave Solder	A7	10/21/2000	AS-4
Fluxer	A8	10/21/2000	AS-4
Wave Solder	J1	1/1/1998	JS-1
Fluxer	J2	12/1/2002	JS-1
Wave Solder	F3	8/1/1994	FS-3
Fluxer	F4	12/1/2002	FS-3
Repair Wave Solder	A9	10/1/2000	AS-5
Pillar House Solder	E1	7/1/2001	ES-1

- (c) Three (3) Selective Solder Systems, permitted in 2006 as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Selective Solder/Fluxer	F1	12/31/2004	FS-1
Selective Solder/Fluxer	F2	12/31/2004	FS-2
Selective Solder/Fluxer	G3	12/14/2005	Gs-3

- (d) Four (4) Conformal Coater Systems, permitted in 2006 as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Coater	C1	12/30/1997	CS-1
Coater	E12	2/1/2000	ES-9
Coater	E6	12/30/2003	ES-3
Coater	E7	12/30/2003	ES-3

- (e) One (1) surface coating line of printed circuit boards, approved in 2006, with a maximum coating capacity of 60 units per hour, identified as CCU5, consists of the following:

- (1) two (2) coaters; and

Emission Unit	Unit ID	Installation Date	Stack New (Old)
Coater	E2	2005	ES-2
Coater	E3	2005	ES-2

- (2) two (2) electric cure ovens.

Emission Unit	Unit ID	Installation Date	Stack
Cure Oven	E10	12/30/1997	ES-5
Cure Oven	E11	2/1/2000	ES-5

- (f) One (1) composite milling/machining operation, for milling metal and plastic and building prototypes/forms and fixtures for the production floor, controlled by dust collector, DC-1, and exhausting to stack 401.

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

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 2-1.1-1) shall prevail.

B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

-
- (a) This permit, MSOP No. 037-34852-00039, 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, 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

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

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

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

B.7 Duty to Provide Information

-
- (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. 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 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.9 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, 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.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

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

The Permittee shall implement the PMPs.

- (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.
- (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.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to MSOP No. 037-34852-00039 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.11 Termination of Right to Operate [326 IAC 2-6.1-7(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 one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.12 Permit Renewal [326 IAC 2-6.1-7]

- (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 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least one hundred twenty (120) days 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 2-6.1 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, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.14 Source Modification Requirement

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.15 Inspection and Entry

[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) 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, at reasonable times, 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, at reasonable times, 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, at reasonable times, 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.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.17 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ,.
- (b) 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.18 Credible Evidence [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

C.1 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 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.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted by using ambient air quality modeling pursuant to 326 IAC 1-7-4.

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

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 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
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project.

- (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 Licensed 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 Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-6.1-5(a)(2)]

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

- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date.
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

C.10 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.11 Instrument Specifications [326 IAC 2-1.1-11]

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

Corrective Actions and Response Steps

C.12 Response to Excursions or Exceedances

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (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 excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning 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 normal or usual manner of operation.
- (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; and/or
 - (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 record the reasonable response steps taken.

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) 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.

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

C.14 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]

- (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, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

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

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

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

- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, 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.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) natural gas-fired boiler, identified as B1, with a maximum heat input capacity of 2.52 million British thermal units per hour (MMBtu/hr).
- (b) Eight (8) circuit assembly stations, permitted in 2006 as described in the table below:

Emission Unit	Unit ID	Installation Date	Stack
Wave Solder	A1	3/1/1994	AS-1
Fluxer	A2	8/1/1996	AS-1
Wave Solder	A3	1/1/1998	AS-2
Fluxer	A4	1/1/2001	AS-2
Wave Solder	A5	2/1/1998	AS-3
Fluxer	A6	10/18/2004	AS-3
Wave Solder	A7	10/21/2000	AS-4
Fluxer	A8	10/21/2000	AS-4
Wave Solder	J1	1/1/1998	JS-1
Fluxer	J2	12/1/2002	JS-1
Wave Solder	F3	8/1/1994	FS-3
Fluxer	F4	12/1/2002	FS-3
Repair Wave Solder	A9	10/1/2000	AS-5
Pillar House Solder	E1	7/1/2001	ES-1

- (c) Three (3) Selective Solder Systems, permitted in 2006 as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Selective Solder/Fluxer	F1	12/31/2004	FS-1
Selective Solder/Fluxer	F2	12/31/2004	FS-2
Selective Solder/Fluxer	G3	12/14/2005	Gs-3

- (d) Four (4) Conformal Coater Systems, permitted in 2006 as described in the following table:

Emission Unit	Unit ID	Installation Date	Stack
Coater	C1	12/30/1997	CS-1
Coater	E12	2/1/2000	ES-9
Coater	E6	12/30/2003	ES-3
Coater	E7	12/30/2003	ES-3

- (e) One (1) surface coating line of printed circuit boards, approved in 2006, with a maximum coating capacity of 60 units per hour, identified as CCU5, consists of the following:

- (1) two (2) coaters; and

Emission Unit	Unit ID	Installation Date	Stack New (Old)
Coater	E2	2005	ES-2
Coater	E3	2005	ES-2

(2) two (2) electric cure ovens.

Emission Unit	Unit ID	Installation Date	Stack
Cure Oven	E10	12/30/1997	ES-5
Cure Oven	E11	2/1/2000	ES-5

(f) One (1) composite milling/machining operation, for milling metal and plastic and building prototypes/forms and fixtures for the production floor, controlled by dust collector, DC-1, and exhausting to stack 401.

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

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.1.1 Particulate Emission Limitations) [326 IAC 6.5]

- (a) Pursuant to 326 IAC 6.5-1-2(a), the Particulate Matter emissions from the composite milling/machining operation shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf) of exhaust air.
- (b) Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the circuit assembly stations (A1 through A9, J1, J2, F3, F4 and E1), and the selective solder systems (F1, F2 and G3), each shall not exceed 0.03 gr/dscf of exhaust air.
- (c) Pursuant to 326 IAC 6.5-1-2(b)(3), the Particulate Matter emissions from the one (1) natural gas-fired boiler, identified as B1 shall not exceed 0.01 gr/dscf of exhaust air.

D.1.2 Particulate Control

In order to comply with D.1.1(a), the cyclone for particulate control shall be in operation and control emissions from the composite milling/machining operation at all times that the composite milling/machining operation is in operation.

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

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

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

Company Name:	Kimball Electronics
Address:	1038 East 15th Street
City:	Jasper, Indiana
Phone #:	(812) 634-4176
MSOP #:	MSOP No. 037-34852-00039

I hereby certify that Kimball Electronics is :

still in operation.

no longer in operation.

I hereby certify that Kimball Electronics is :

in compliance with the requirements of MSOP MSOP No. 037-34852-00039.

not in compliance with the requirements of MSOP MSOP No. 037-34852-00039.

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

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

Noncompliance:

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE AND ENFORCEMENT BRANCH FAX NUMBER: (317) 233-6865

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

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?____, 25 TONS/YEAR SULFUR DIOXIDE ?____, 25 TONS/YEAR NITROGEN OXIDES?____, 25 TONS/YEAR VOC ?____, 25 TONS/YEAR HYDROGEN SULFIDE ?____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?____, 25 TONS/YEAR FLUORIDES ?____, 100 TONS/YEAR CARBON MONOXIDE ?____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

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

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

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

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

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

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

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

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

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES: _____

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: _____

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: _____

INTERIM CONTROL MEASURES: (IF APPLICABLE) _____

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

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

*SEE PAGE 2

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

326 IAC 1-6-1 Applicability of rule

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

326 IAC 1-2-39 "Malfunction" definition

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

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

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

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

Technical Support Document (TSD) for a Minor Source Operating Permit
(MSOP)

Source Description and Location

Source Name:	Kimball Electronics
Source Location:	1038 East 15th Street, Jasper, Indiana 47549
County:	Dubois
SIC Code:	3577, 3679, 3714
Operation Permit No.:	MSOP No. 037-34852-00039
Permit Reviewer:	Aida DeGuzman

On August 21, 2014 the Office of Air Quality (OAQ) received a MSOP application from Kimball Electronics related to the continued operation of the stationary source that manufactures printed circuit assembly, electronic assemblies for medical, industrial, automotive, public safety equipment and peripheral computer equipment. The source is an ESP source.

Source Definition

Kimball International, Inc. has decided to separate its Jasper electronics unit as a new corporation, Kimball Electronics, Inc. IDEM, OAQ has examined whether the electronics plant and the remaining Kimball International Jasper plants are part of the same major source. The remaining Kimball International, Inc. Jasper plants are the Kimball Office 15th Street, Kimball Hospitality and Kimball Office Cherry Street plants, all previously grouped as one major source, under IDEM, OAQ I.D. #037-00010. The term "major source" is defined at 326 IAC 2-7-1(22). In order for the Kimball Electronics plant and the three Kimball International plants to be considered one major source, they must meet all three of the following criteria:

- (1) the plants must be under common ownership or common control;
- (2) the plants must have the same two-digit Standard Industrial Classification (SIC) Code or one must serve as a support facility for the other; and,
- (3) the plants must be located on the same, contiguous or adjacent properties.

Kimball International, Inc. is splitting off its Jasper electronics unit as a new corporation, Kimball Electronics, Inc., as an independent, publicly traded company. Current shareholders in Kimball International, Inc. will be issued shares in the new Kimball Electronics, Inc. IDEM's Nonrule Policy Document Air-005 gives guidance on when common ownership exists. It states:

Common ownership may exist in several forms.

- if a third party has ownership of fifty-one percent (51%) or more in each of two (2) or more entities, common ownership exists.
- if two (2) or more entities share common corporate officers, in whole or in substantial part, who are responsible for the day-to-day operations of the entities, common ownership exists.
- if one entity has fifty-one percent (51%) or greater ownership of another entity, common ownership exists.

No entity or third person will own 51% or more of the stock in both corporations. The new Kimball Electronics, Inc. will have a new group of corporate officers, none of whom will be shared in any way with Kimball International, Inc. Kimball International, Inc. will not own 51% or more of the stock of the new Kimball Electronics, Inc. Therefore, there is no common ownership.

Where there is no common ownership, IDEM's Nonrule Policy Document Air-005 sets out two independent tests to determine if common control exists. The first test, the auxiliary activity test, determines whether one of the plants is an auxiliary activity which directly serves the purpose of the primary activity and whether the owner or operator of the primary activity has a major role in the day-to-day operations of the auxiliary activity. An auxiliary activity directly serves the purpose of a primary activity by supplying a necessary raw material to the primary activity or performing an integral part of the production process for the primary activity.

Day-to-day control of the auxiliary activity by the primary activity may be evidenced by several factors, including:

- is a majority of the output of the auxiliary activity provided to the primary activity?
- can the auxiliary activity contract to provide its products/services to a third-party without the consent of the primary activity?
- can the primary activity assume control of the auxiliary activity under certain circumstances?
- is the auxiliary activity required to complete periodic reports to the primary activity?

If one or a combination of these questions is answered affirmatively, common control may exist.

The new Kimball Electronics plant will not provide any of its output to the three Kimball International plants. None of the Kimball International plants will provide any output to the Kimball Electronics plant. The Kimball Electronics plant is free to enter into sales agreements with other companies, as are the Kimball International plants. The Kimball Electronics plant cannot assume control of the Kimball International plants under any circumstances. The Kimball International plants do not have the power to assume control of the Kimball Electronics plant under any circumstances. The Kimball Electronics plant is not required to submit any reports to the other plants. The Kimball International plants are not required to submit any reports to the Kimball Electronics plant. Therefore, the first common control test is not met.

The second common control test in the nonrule policy is the "but/for" test. This test focuses on whether the auxiliary activity would exist absent the needs of the primary activity. If all or a majority of the output of the auxiliary activity is consumed by the primary activity the "but/for" test is satisfied. None of the Kimball Electronics plant's output will go to any of the Kimball International plants. None of the Kimball International plants' outputs will go to the Kimball Electronics plant. Therefore, the second common control test is also not met. IDEM, OAQ finds that the Kimball Electronics plant and the Kimball International plants are not under common control. Since neither common ownership nor common control exists, the first part of the definition of major source is not met.

The SIC Code Manual of 1987 sets out how to determine the proper SIC Code for each type of business. More information about SIC Codes is available at http://www.osha.gov/pls/imis/sic_manual.html on the Internet. The Kimball Electronics plant makes vehicle electrical equipment and has the two-digit SIC Code 37 for the Major Group Transportation Equipment. The Kimball International plants have the two-digit SIC Codes 24, for the Major Group Lumber and Wood Products and 25, for the Major Group Furniture and Fixtures. Therefore, the Kimball Electronics plant and the Kimball International plants do not have the same two-digit SIC code.

A plant is a support facility to another plant if it dedicates 50% or more of its output to the other plant. The Kimball Electronics plant sends none of its output to the Kimball International plants. The Kimball International plants send none of their output to the Kimball Electronics plant. Since the plants have different SIC Codes and do not qualify as a support facility, they do not meet the second part of the major source definition.

The Kimball Electronic plant and the Kimball International plants are located on separate properties that share a common border. The plant properties are contiguous, so the third part of the definition is met. However, since the plants do not meet all three parts of the major source definition, IDEM, OAQ has determined that the Kimball Electronics plant and the Kimball International plants are not part of the same major source.

Existing Approvals

The source has been previously operating under the combined Part 70 Operating Permit No.037-29558-00100 issued to both Kimball Electronics and Kimball International. Since IDEM has determined that Kimball Electronics and Kimball International are separate sources, a separate permit will be issued to Kimball Electronics in this permitting action.

County Attainment Status

The source is located in Dubois County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard ¹
PM _{2.5}	Attainment effective October 27, 2011, for the annual PM2.5 standard
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM2.5 standard
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Pb Unclassifiable or attainment effective December 31, 2011

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

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) 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 NO_x 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 NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM_{2.5}**
 Dubois County has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (e) **Other Criteria Pollutants**
 Dubois County has been classified as attainment or unclassifiable in Indiana for list the pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

- (a) The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.
- (b) Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Background and Description of Permitted Emission Units

The Office of Air Quality (OAQ) has reviewed an application, submitted by Kimball Electronics on August 21, 2014 relating to the continued operation of the existing stationary source that manufactures printed circuit assembly, electronic assemblies for medical, industrial, automotive, public safety equipment and peripheral computer equipment. The source has been operating under the combined Part 70 Operating Permit No. 039- 29558-00100 issued to both Kimball Electronics and Kimball International. IDEM is issuing the Kimball Electronics a MSOP, since the source's potential to emit PM_{2.5}/PM₁₀ are each equal to or greater than 25 tons per year but less than 100 tons per year.

The source consists of the following permitted emission units:

- (a) One (1) natural gas-fired boiler, identified as B1, with a maximum heat input capacity of 2.52 million British thermal units per hour (MMBtu/hr).
- (b) Eight (8) circuit assembly stations, permitted in 2006 as described in the table below:

Emission Unit	Unit ID New (Old)	Installation Date	Stack New (Old)
Wave Solder	A1 (WSU1)	3/1/1994	AS-1 (304)
Fluxer	A2 (WSU1)	8/1/1996	AS-1 (303)
Wave Solder	A3 (WSU2)	1/1/1998	AS-2 (202)
Fluxer	A4 (WSU2)	1/1/2001	AS-2 (201)
Wave Solder	A5 (WSU3)	2/1/1998	AS-3 (506)
Fluxer	A6 (WSU3)	10/18/2004	AS-3 (507)
Wave Solder	A7 (WSU4)	10/21/2000	AS-4 (711)
Fluxer	A8 (WSU4)	10/21/2000	AS-4 (711)
Wave Solder	J1 (WSU5)	1/1/1998	JS-1 (2001)
Fluxer	J2 (WSU5)	12/1/2002	JS-1 (2001)
Wave Solder	F3 (WSU6)	8/1/1994	FS-3 (2003)
Fluxer	F4 (WSU6)	12/1/2002	FS-3 (2003)
Repair Wave Solder	A9 (WSU7)	10/1/2000	AS-5 (206)
Pillar House Solder	E1 (WSU8)	7/1/2001	ES-1 (505)

- (c) Three (3) Selective Solder Systems, permitted in 2006 as described in the following table:

Emission Unit	Unit ID New (Old)	Installation Date	Stack New (Old)
Selective Solder/Fluxer	F1 (SSU1)	12/31/2004	FS-1 (710)
Selective Solder/Fluxer	F2 (SSU2)	12/31/2004	FS-2 (709)
Selective Solder/Fluxer	G3 (SSU3)	12/14/2005	FS-3 (305)

- (d) Four (4) Conformal Coater Systems, permitted in 2006 as described in the following table:

Emission Unit	Unit ID New (Old)	Installation Date	Stack New (Old)
Coater	C1 (CCU1)	12/30/1997	CS-1 (2012)
Coater	E12 (CCU2)	2/1/2000	ES-9 (508)
Coater	E6 (CCU3)	12/30/2003	ES-3 (712)
Coater	E7 (CCU4)	12/30/2003	ES-3 (713)

- (e) One (1) surface coating line of printed circuit boards, approved in 2006, with a maximum coating capacity of 60 units per hour, identified as CCU5, consists of the following:

- (1) two (2) coaters; and

Emission Unit	Unit ID New (Old)	Installation Date	Stack New (Old)
Coater	E2 (CCU5 #1)	2005	ES-2 (EF-14)
Coater	E3 (CCU5 #2)	2005	ES-2 (EF-14)

(2) two (2) electric cure ovens.

Emission Unit	Unit ID New (Old)	Installation Date	Stack New (Old)
Cure Oven	E10 (CCU5 #1)	12/30/1997	ES-5 (EF-14)
Cure Oven	E11 (CCU5 #2)	2/1/2000	ES-5 (EF-14)

(f) One (1) composite milling/machining operation, for milling metal and plastic and building prototypes/forms and fixtures for the production floor, controlled by dust collector, DC-1, and exhausting to stack 401.

Enforcement Issues

There are no pending enforcement actions related to this source.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – MSOP

The following table reflects the unlimited potential to emit (PTE) of the entire source before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	51.58
PM10 ⁽¹⁾	51.64
PM2.5	51.64
SO ₂	0.01
NO _x	1.10
VOC	21.74
CO	0.93

(1) Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10) and particulate matter with an aerodynamic diameter less than or equal to a nominal 2.5 micrometers (PM2.5), not particulate matter (PM), are each considered as a "regulated air pollutant".

HAPs	Potential To Emit (tons/year)
Single HAP	negligible
TOTAL HAPs	0.42

(a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of PM, PM10 and PM2.5 are each less than one hundred (100) tons per year, but greater than or equal to twenty-five (25) tons per year. The PTE of all other regulated criteria pollutants are less than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. A Minor Source Operating Permit (MSOP) will be issued.

- (b) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1) of any single HAP is less than ten (10) tons per year and the PTE of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

PTE of the Entire Source After Issuance of the MSOP

The table below summarizes the potential to emit of the entire source after issuance of this MSOP, reflecting all limits, of the emission units.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of MSOP (tons/year)								
	PM	PM10*	PM2.5*	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Machining Shop	1.50	1.50	1.50	-	-	-	-	-	-
Electronic Parts processing	21.52	21.52	21.52	-	-	21.68	-	0.40	negligible
Boiler (Natural Gas Combustion)	0.02	0.08	0.08	0.01	1.10	0.06	0.93	0.02	0.02
Total PTE	23.04	23.11	23.11	0.01	1.10	21.74	0.93	0.42	0.02 (hexane)
PSD Major Source Thresholds**	250	250	250	250	250	250	250	NA	NA

negl. = negligible
 *Under the Part 70 Permit program (40 CFR 70), PM10 and PM2.5, not particulate matter (PM), are each considered as a "regulated air pollutant".

- (a) No regulated pollutant is emitted at PSD threshold levels.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) 40 CFR Part 60, Subpart Dc -New Source Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Unit

This rule applies to each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/h)) or less, but greater than or equal to 2.9 MW (10 MMBtu/hr).

The 2.52 MMBtu/hr Boiler, identified as B1, is not subject to subpart Dc because its heat input is less than 10 MMBtu/hr.

- (b) There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (a) 40 CFR 63, Subpart JJJJJJ - National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers Area Sources

This subpart applies to each new, reconstructed, or existing affected source as defined in paragraphs (a)(1) and (2) of this section.

- (1) The affected source of this subpart is the collection of all existing industrial, commercial, and institutional boilers within a subcategory, as listed in §63.11200 and defined in §63.11237, located at an area source. The unit is existing if it commenced construction or reconstruction on or before June 4, 2010.
- (2) The affected source of this subpart is each new or reconstructed industrial, commercial, or institutional boiler within a subcategory, as listed in §63.11200 and as defined in §63.11237, located at an area source. The unit is new if it commenced construction or reconstruction after June 4, 2010.

Boiler, identified as B1 is not subject to this Subpart JJJJJJ because §63.11195(e) specifically exempt gas-fired boilers from being subject to this rule.

- (b) 40 CFR Part 63, Subpart HHHHHH - National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources

This rule applies to an area source of HAP that performs one or more of the following activities:

- (1) Paint stripping operations that involve the use of chemical strippers that contain methylene chloride (MeCl), Chemical Abstract Service number 75092, in paint removal processes;
- (2) Autobody refinishing operations that encompass motor vehicle and mobile equipment spray-applied surface coating operations;
- (3) Spray application of coatings containing compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd), collectively referred to as the target HAP to any part or product made of metal or plastic, or combinations of metal and plastic that are not motor vehicles or mobile equipment.

The source is not subject to this rule because it does not use coatings containing the target HAP, in coating printed circuit boards and it does not perform paint stripping and autobody refinishing.

- (c) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM)

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability Determination

- (a) 326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))
MSOP applicability is discussed under the Permit Level Determination – MSOP section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

This existing source is not a major stationary source, under PSD (326 IAC 2-2), because:
 - (1) No PSD regulated pollutant is emitted at major source threshold level of 250 tons per year.
 - (2) This source is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-4.1.
- (d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (e) 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 this permit:
 - (1) 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:
 - (2) 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.
- (f) 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 twenty-five (25) tons per year of fugitive particulate matter. Therefore, pursuant to 326 IAC 6-5-1, this source is not subject to the requirements of 326 IAC 6-5.
- (g) 326 IAC 6.5 (Particulate Emission Limitations)
The source is located in Dubois County with actual emissions of particulate matter (PM) for the entire source at ten (10) tons per year.
 - (1) Pursuant to 326 IAC 6.5-1-2(a), the Particulate Matter emissions from the machining operation shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (gr/dscf) of exhaust air. The dust collector associated with the machining operation has a design outlet grain loading of 0.01 grain, Therefore, it is in compliance with this limit.

- (2) Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the circuit assembly stations (A1 through A9, J1, J2, F3, F4 and E1), the selective solder systems (F1, F2 and G3), each shall not exceed 0.03 grains per dry standard cubic foot of exhaust air.
 - (3) Pursuant to 326 IAC 6.5-1-2(b)(3), the Particulate Matter emissions from the one (1) natural gas-fired boiler, identified as B1 shall not exceed 0.01 gr/dscf of exhaust air.
 - (4) 326 IAC 6.5-1-1(c), specifically states that particulate emission limitations shall not be established for coatings applied by brush. The conformal coating process is applied by brush coating (i.e., a small swab). Therefore, no particulate emission limitations apply to the conformal coating process.
- (h) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
326 IAC 6-3-1(b) specifically exempts surface coating applied using brush coating. The conformal coating process is applied by brush coating (i.e., a small swab). Therefore, the conformal coating process is not subject to this rule.
- (i) 326 IAC 6-2 (Particulate Emissions Limitations for Sources of Indirect Heating)
The natural gas-fired boiler, identified as B1 is not subject to 326 IAC 6-2, pursuant to 326 IAC 6-2-1(e), since this boiler is subject to the particulate emissions limitation under 326 IAC 6.5.
- (j) 326 IAC 8-1-6 (New Facilities: General Reduction Requirements)
This rule applies to new facilities constructed as of January 1, 1980 with potential VOC emissions of 25 tons/year, located anywhere in the state and are not regulated by any article in 326 IAC 8, 326 IAC 20-48 or 326 IAC 20-56.

The conformal coating, circuit assembly stations and the selective solder systems are not subject to the requirements of 326 IAC 8-1-6 because each facility does not have the potential VOC emissions of 25 tons per year.

Compliance Determination, Monitoring and Testing Requirements

There are no compliance determination and monitoring requirements applicable to this proposed new source.

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on August 21, 2014.

The operation of this source shall be subject to the conditions of the attached proposed MSOP No.037-34852-00039. The staff recommends to the Commissioner that this MSOP be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Aida DeGuzman at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-4972 or toll free at 1-800-451-6027 extension 3-4972.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emission Calculations
Source Wide Emissions Summary**

Company Name: Kimball Electronics Jasper
 Address: 1038 East 15th Street, Jasper, IN 47549
 MSOP No.: 037-34852-00039
 Permit Reviewer: Aida De Guzman
 Date: August 21, 2014

Uncontrolled PTE									
Process ID/facility	PM	PM ₁₀	PM _{2.5}	SO ₂	NOx	CO	VOC	HAPs	Single HAP
Machining Shop	30.03	30.03	30.03	-	-	-	-	-	-
Electronic Parts Processing	21.52	21.52	21.52	-	-	-	21.68	0.40	negligible
Boiler	0.02	0.08	0.08	0.01	1.10	0.93	0.06	0.02	0.02
Total	51.58	51.64	51.64	0.01	1.10	0.93	21.74	0.42	-

Hexane

Controlled/limited PTE									
Process ID/facility	PM	PM ₁₀	PM _{2.5}	SO ₂	NOx	CO	VOC	HAPs	Single HAP
Machining Shop	1.50	1.50	1.50	-	-	-	-	-	-
Electronic Parts Processing	21.52	21.52	21.52	-	-	-	21.68	0.40	negligible
Boiler	0.02	0.08	0.08	0.01	1.10	0.93	0.06	0.02	0.02
Total	23.04	23.11	23.11	0.01	1.10	0.93	21.74	0.42	-

Hexane

**Appendix A: Emission Calculations
Particulate Emissions - Machining Shop
for Proto Types/Forms and Fixtures for the Production Floor**

Company Name: Kimball Electronics Jasper
Address: 1038 East 15th Street, Jasper, IN 47549
MSOP No.: 037-34852-00039
Permit Reviewer: Aida De Guzman
Date: August 21, 2014

Location	Control Device ID	Outlet Grain Loading (gr/dscf)	Maximum Air Flow Rate (scfm)	Control Efficiency (%)	PTE of PM/PM ₁₀ After Control (lbs/hr)	PTE of PM/PM ₁₀ After Control (tons/yr)	PTE of PM _{2.5} After Control (tons/yr)	PTE of PM/PM ₁₀ Before Control (lbs/hr)	PTE of PM/PM ₁₀ Before Control (tons/yr)	PTE of PM _{2.5} Before Control (tons/yr)
Machning Shop	DC-1	0.010	4,000	95.0%	0.34	1.50	1.50	6.86	30.0	30.0
Total					0.34	1.5	1.5	7	30	30

Assume all PM emissions equal PM₁₀ emissions.

All control devices are baghouses 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%)

Appendix A: Emission Calculations
Combustion Emissions for Natural Gas Fired Boiler

Company Name: Kimball Electronics - Jasper
 Address: 1038 East 15th St., Jasper, IN 47549
 MSOP No.: 037-34852-00039
 Permit Reviewer: Aida De Guzman
 Date: August 21, 2014

Emission Unit Description	Emission Unit ID	Heat Input Capacity (MMBtu/hr)	Max. Potential Throughput (MMCF/yr)
Natural Gas-Fired Boiler	B1	2.52	22

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84
					**see below		
Potential Emission in tons/yr	0.02	0.08	0.08	0.01	1.10	0.06	0.93

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
 PM2.5 emission factor is filterable and condensable PM2.5 combined.
 **Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
 MMBtu = 1,000,000 Btu
 MMCF = 1,000,000 Cubic Feet of Gas
 Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
 Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

HAPS Calculations

Emission Factor in lb/MMcf	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Total - Organics
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	2.318E-05	1.325E-05	8.278E-04	1.987E-02	3.753E-05	2.077E-02

Emission Factor in lb/MMcf	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	Total - Metals
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	5.519E-06	1.214E-05	1.545E-05	4.194E-06	2.318E-05	6.049E-05
					Total HAPs	2.083E-02
					Worst HAP	1.987E-02

Methodology is the same as above.

The five highest organic and metal HAPs emission factors are provided above.

Appendix A: Emissions Calculations
PM and VOC Emissions from Kimball Electronics Insignificant Operations

Company Name: Kimball Electronics Jasper
 Address City IN Zip: 1038 East 15th Street Jasper IN 47549
 MSOP No.: 037-34852-00039
 Permit Reviewer: Aida De Guzman
 Date: August 21, 2014

Insignificant Activity: Electronic Parts Processing (soldering (wave & selective) conformal coating)

Unit ID	Product #	Product Description	Max gal/hr	Density lb/gal	PM PTE			VOC PTE			HAPs PTE		
					Solids wt %	PM lbs/hr	PM tons/yr	Wt % VOC	VOC lbs/hr	VOC tons/yr	Wt % HAPs	HAPs lbs/hr	HAPs tons/yr
A1		Tin/Lead wave solder*	0	0	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0
A2	985	985 Flux (1344)	0.0625	6.72	3.0%	0.0126	0.055	97.0%	0.407	1.784	5.0%	0.0	0.1
	715M	715M Flux (1730)	0.0625	6.75	0.0%	0.0000	0.000	100.0%	0.422	1.848	0.0%	0.0	0.0
A3		Lead free wave solder*	0	0	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0
A4	715M	715M Flux (1730)	0.125	6.75	0.0%	0.0000	0.000	100.0%	0.844	3.696	0.0%	0.0	0.0
	WF9942	WF9942 (2091)	0.125	9.59	99.6%	1.1940	5.230	0.4%	0.005	0.021	0.0%	0.0	0.0
A5		Lead free wave solder*	0	0	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0
A6	715M	715M Flux (1730)	0.125	6.75	0.0%	0.0000	0.000	100.0%	0.844	3.696	0.0%	0.0	0.0
	WF9942	WF9942 (2091)	0.125	9.59	99.6%	1.1940	5.230	0.4%	0.005	0.021	0.0%	0.0	0.0
A7		Lead free wave solder*	0	0	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0
A8	WF9942	WF9942 (2091)	0.00625	9.59	99.6%	0.0597	0.261	0.4%	0.000	0.001	0.0%	0.0	0.0
	2331	Flux 2331 (2093)	0.00625	7.5	40.1%	0.0188	0.082	59.9%	0.028	0.123	0.0%	0.0	0.0
J1		Lead free wave solder*	0	0	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0
J2	715M	715M Flux (1730)	0.00625	6.75	0.0%	0.0000	0.000	100.0%	0.042	0.185	0.0%	0.0	0.0
	WF9942	WF9942 (2091)	0.00625	9.59	99.6%	0.0597	0.261	0.4%	0.000	0.001	0.0%	0.0	0.0
F3		Lead free wave solder*	0	0	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0
F4	985	985 Flux (1344)	0.0625	6.72	3.0%	0.0126	0.055	97.0%	0.407	1.784	5.0%	0.0	0.1
SUB-TOTAL							11.17			13.16			0.18

Company Name: Kimball Electronics Jasper
 Address City IN Zip: 1038 East 15th Street Jasper IN 47549
 MSOP No.: 037-34852-00039
 Permit Reviewer: Aida De Guzman
 Date: August 21, 2014

Insignificant Activity: Electronic Parts Processing (soldering (wave & selective) conformal coating)

Unit ID	Product #	Product Description	Max gal/hr	Density lb/gal	PM PTE			VOC PTE			HAPs PTE		
					Solids wt %	PM lbs/hr	PM tons/yr	Wt % VOC	VOC lbs/hr	VOC tons/yr	Wt % HAPs	HAPs lbs/hr	HAPs tons/yr
	715M	715M Flux (1730)	0.0625	6.75	0.0%	0.0000	0.000	100.0%	0.422	1.848	0.0%	0.0	0.0
A9	985	985 Flux (1344)	0.0625	6.72	3.0%	0.0126	0.055	97.0%	0.407	1.784	5.0%	0.0	0.1
	WF9942	WF9942 (2091)	0.0625	9.59	99.6%	0.5970	2.615	0.4%	0.002	0.011	0.0%	0.0	0.0
E1	WF9942	WF9942 (2091)	0.0625	9.59	99.6%	0.5970	2.615	0.4%	0.002	0.011	0.0%	0.0	0.0
F1	951	951 Flux (1272)	0.00625	6.78	2.0%	0.0008	0.004	98.0%	0.042	0.182	0.0%	0.0	0.0
F2	951	951 Flux (1272)	0.00625	6.78	2.0%	0.0008	0.004	98.0%	0.042	0.182	0.0%	0.0	0.0
G3	985	985 Flux (1344)	0.0625	6.72	3.0%	0.0126	0.055	97.0%	0.407	1.784	5.0%	0.0	0.1
	715M	715M Flux (1730)	0.0625	6.75	0.0%	0.0000	0.000	100.0%	0.422	1.848	0.0%	0.0	0.0
C1	SL1301	SL1301 ECO-FLZ Conformal Coat (2483)	0.11	8.76	88.0%	0.8480	3.714	12.0%	0.116	0.506	0.0%	0.0	0.0
E12	1B31	1B31 Conformal Coat (730)	0.003125	6.67	32.0%	0.0067	0.029	68.0%	0.014	0.062	15.0%	0.0	0.0
	521	521 Thinner (2073)	0.003125	7.26	0.0%	0.0000	0.000	100.0%	0.023	0.099	0.0%	0.0	0.0
E6	1B31	1B31 Conformal Coat (730)	0.003125	6.67	32.0%	0.0067	0.029	68.0%	0.014	0.062	15.0%	0.0	0.0
	521	521 Thinner (2073)	0.003125	7.26	0.0%	0.0000	0.000	100.0%	0.023	0.099	0.0%	0.0	0.0
E7	640-0130-00	RTV 640-0130-00 (2036)	0.00155	12.01	100.0%	0.0186	0.082	0.0%	0.000	0.000	0.0%	0.0	0.0
E2	1B73	1B73 Conformal Coat (1655)	0.000781	7.67	31.0%	0.0019	0.008	69.0%	0.004	0.018	0.0%	0.0	0.0
	73	73 Thinner (2122)	0.000781	7.34	0.0%	0.0000	0.000	100.0%	0.006	0.025	0.0%	0.0	0.0
E3	3-1953	3-1953 Conformal Coat (1920)	0.03125	8.3	100.0%	0.2594	1.136	0.0%	0.000	0.000	0.0%	0.0	0.0
E10	Electric	Heat Curing Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0
E11	Electric	Heat Curing Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0
SUB-TOTAL							10.35			8.52			0.21

Company Name: Kimball Electronics Jasper
 Address City IN Zip: 1038 East 15th Street Jasper IN 47549
 MSOP No.: 037-34852-00039
 Permit Reviewer: Aida De Guzman
 Date: August 21, 2014

Insignificant Activity: Electronic Parts Processing (soldering (wave & selective) conformal coating)

Unit ID	Product #	Product Description	Max gal/hr	Density lb/gal	PM PTE			VOC PTE			HAPs PTE			
					Solids wt %	PM lbs/hr	PM tons/yr	Wt % VOC	VOC lbs/hr	VOC tons/yr	Wt % HAPs	HAPs lbs/hr	HAPs tons/yr	
E13 (OVU2)	Electric	Heat Curing Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
A11 (OVU3)	Electric	Reflow Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
A12 (OVU4)	Electric	Reflow Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
D1 (OVU5)	Electric	Heat Curing Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
D2 (OVU6)	Electric	Heat Curing Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
A14 (OVU8)	Electric	Reflow Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
C4 (OVU18)	Electric	Heat Curing Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
E5 (OVU10)	Electric	Heat Curing Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
D3 (OVU11)	Electric	Reflow Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
F7 (OVU13)	Electric	Reflow Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
F8 (OVU14)	Electric	IHT Hot test Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
E4 (OVU9)	Electric	Heat Curing Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
G1 (OVU20)	Electric	Reflow Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
A15 (OVU21)	Electric	Reflow Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
E14 (OVU22)	Electric	Reflow Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
E9 (OVU24)	Electric	Heat Curing Oven	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
H1 (ACU1)	Electric	Aqueous Cleaner (Water only)	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
J3 (ACU2)	Electric	Aqueous Cleaner (Water only)	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
A10 (ACU3)	Electric	Aqueous Cleaner (Water only)	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
B1	Electric	One (1) water evaporator, identified as B1 (stack BS-1) – in Stencil Room	N/A	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
C5	Acetone	One (1) Dip Tank, Acetone Only	0.00625	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
C6		One (1) Conformal Coat Touch Up Exhaust Vent Hood	0.007813	N/A	0.0%	0.0000	0.000	0.0%	0.000	0.000	0.0%	0.0	0.0	
SUB-TOTAL							0.00		0.00		0.00		0.00	
Total PM PTE							21.52	Total VOC PTE	21.68	Total HAPs PTE	0.40			

Assume all PM = PM₁₀ = PM_{2.5}

METHODOLOGY

PM emissions (tons/yr) = Max Rate (gal/hr) * Density (lb/gal) * Solids content (wt%) * (8760 hrs/yr) / (2000 lbs/ton)
 VOC emissions (tons/yr) = Max Rate (gal/hr) * Density (lb/gal) * VOC content (wt%) * (8760 hrs/yr) / (2000 lbs/ton)

* - Emissions are negligible due to operating temperatures maintained at or below 800 degrees F.
 This temperature is below the vaporization temperature of the metal alloy components.
 Conformal coating is applied through small swabs.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Ken Sicard
Kimball Electronics
PO Box 587
Jasper, IN 47547

DATE: January 29, 2015

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
MSOP - Transition from Title V
037 - 34852 - 00039

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
GM
Ron Rothgerber Kimball International, Inc. OET - Sustainability Department
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 6/13/2013



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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

January 29, 2015

TO: Jasper Public Library 1116 Main Street Jasper IN

From: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: Kimball Electronics
Permit Number: 037 - 34852 - 00039

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 6/13/2013

Mail Code 61-53

IDEM Staff	LPOGOST 1/29/2015 Kimball - Electronics 037 - 34852 - 00039 final)		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee
											Remarks
1		Ken Sicard - Kimball - Electronics PO Box 587 Jasper IN 47547 (Source CAATS) Via USPS certified mail									
2		GM Kimball - Electronics 1038 E 15th St Jasper IN 47549 (RO CAATS)									
3		Dubois County Commissioners One Courthouse Square Jasper IN 47546 (Local Official)									
4		Mr. Alec Kalla 8733 W. Summit Circle Drive French Lick IN 47432 (Affected Party)									
5		Jasper Public Library 1116 Main Street Jasper IN 47546 (Library)									
6		DuBois County Health Department 1187 S St. Charles Street Jasper IN 47546 (Health Department)									
7		John Blair 800 Adams Ave Evansville IN 47713 (Affected Party)									
8		Ron Rothgerber Kimball International, Inc. OET - Sustainability Department, 1600 Royal Street Jasper IN 47549 (Source – addl contact)									
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