INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: November 19, 2012

RE: KS Kolbenschmidt US, Inc. / 003-32400-00064

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

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot12/3/07

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mr. Brett Looze
KS Kolbenschmidt US, Inc.
1731 Industrial Parkway
Marinette, WI 54143

November 19, 2012

Re: 003-32400-00064
First Administrative Amendment to:
Part 70 Permit Renewal No.: T003-26469-00064

Dear Mr. Looze:

Karl Schmidt Unisia, Inc. (KUS) was issued a Part 70 Operating Permit Renewal on December 23, 2009, for the operation of a stationary aluminum foundry that manufactures pistons. An application requesting that the source name be changed from Karl Schmidt Unisia, Inc. to Kolbenschmidt, US, Inc. (KS KUS) was received on October 9, 2012. The name change does not reflect a change in ownership but rather more accurately reflects the company's North American operations.

Pursuant to 326 IAC 2-7-11(a)(7), the permit is hereby administratively amended as below. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**.

Change 1

Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY

~~Karl Schmidt Unisia, Inc.~~ KS Kolbenschmidt US, Inc. (KS KUS)
2425 Coliseum Boulevard South
Fort Wayne, Indiana 46803

...

Change 2: *The SIC code was changed to correct a typographical error. In addition, 3361 code does not exist.*

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary aluminum foundry that manufactures pistons

...

SIC Code: ~~3361~~ **3365 (Aluminum Foundries)**

...

IDEM, OAQ has decided to make additional revisions to the permit as described below in order to update the language to match the most current version of the applicable rule; to eliminate redundancy within the permit; and to provide clarification regarding the requirements of these conditions.

Change 3: *Section A.1 and the reporting forms have been revised to remove all references to the source mailing address. IDEM, OAQ will continue to maintain records of the mailing address. Also, the language referring to the certification of the reporting forms has been removed.*

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: ~~Karl Schmidt Unisia, Inc.~~ **KS Kolbenschmidt US, Inc. (KS KUS)**
Source Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
~~Mailing Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803~~
Part 70 Permit No.: T003-26469-00064

...

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: ~~Karl Schmidt Unisia, Inc.~~ **KS Kolbenschmidt US, Inc. (KS KUS)**
Source Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
~~Mailing Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803~~
Part 70 Permit No.: T003-26469-00064

...

~~A certification is not required for this report.~~

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

Part 70 Quarterly Report

Source Name: ~~Karl Schmidt Unisia, Inc.~~ **KS Kolbenschmidt US, Inc. (KS KUS)**
Source Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
~~Mailing Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803~~
Part 70 Permit No.: T003-26469-00064
Facility: Evaporator, EV1
Parameter: Net Oil Usage

Limit: The amount of oil charged to the evaporator minus the oil disposed of as waste shall be limited to 32,880 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

...

~~Attach a signed certification to complete this report.~~

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: ~~Karl Schmidt Unisia, Inc.~~ **KS Kolbenschmidt US, Inc. (KS KUS)**
~~Source Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803~~
Mailing Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064
Facility: Eight (8) engine test cells
Parameter: Gasoline Usage
Limit: The total usage of gasoline and gasoline equivalents in the eight (8) engine test cells shall not exceed 50,253 gallons of gasoline per twelve (12) consecutive month period, with compliance determined at the end of each month. For purposes of determining compliance, every 1,000 gallons of diesel fuel oil burned shall be equivalent to 33 gallons of gasoline based on CO emissions such that the total gallons of gasoline and gasoline equivalent input does not exceed the limit specified.

...

~~Attach a signed certification to complete this report.~~

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

Part 70 Quarterly Report

Source Name: ~~Karl Schmidt Unisia, Inc.~~ **KS Kolbenschmidt US, Inc. (KS KUS)**
Source Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
~~Mailing Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803~~
Part 70 Permit No.: T003-26469-00064
Facility: Eight (8) engine test cells
Parameter: Diesel Usage
Limit: The total usage of diesel and diesel equivalents in the eight (8) engine test cells shall not exceed 327,814 gallons of diesel fuel per twelve (12) consecutive month period, with compliance determined at the end of each month. For purposes of determining compliance, every 1,000 gallons of gasoline burned shall be equivalent to 168.9 gallons of diesel fuel oil based on NOx emissions such that the total gallons of diesel fuel oil and diesel fuel oil equivalent input does not exceed the limit specified.

...

~~Attach a signed certification to complete this report.~~

Change 4: *In addition to the removal of the mailing address and the certification requirement on the Quarterly Deviation and Compliance Monitoring Report, IDEM, OAQ has clarified the interaction of the Quarterly Deviation and Compliance Monitoring Report and the Emergency Provisions.*

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: ~~Karl Schmidt Unisia, Inc.~~ **KS Kolbenschmidt US, Inc. (KS KUS)**
Source Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
~~Mailing Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803~~
Part 70 Permit No.: T003-26469-00064

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

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. **Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C - General Reporting.** Any deviation from the requirements **of this permit**, 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".

...

~~Attach a signed certification to complete this report.~~

Change 5: 326 IAC 2-7 requires that "a responsible official" perform certain actions. 326 IAC 2-7-1(34) allows for multiple people to meet the definition of "responsible official." Therefore, IDEM is revising all instances of "the responsible official" to read "a responsible official". These changes are made throughout the permit without reproduction herein.

Change 6: *The phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore, all timelines have been switched to "no later than" or "not later than". The following changes have been made to the permit:*

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)] [40 CFR 64][326 IAC 3-8]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be allowed up to ninety (90) days from the date of permit issuance or ninety (90) days of initial start-up, whichever is later to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated ~~within~~ **no later than** ninety (90) days after permit issuance or the

date of initial start-up, whichever is later, , the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, ~~within~~ **no later than** 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~~ **not later than** one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

...

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented ~~within~~ **no later than** ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later.

...

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [40 CFR 64] [326 IAC 3-8]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. **Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph.** 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~~ **no later than** thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

~~(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within **no later than** thirty (30) days of the end of the reporting period. All reports do require the certification by the **a** "responsible official" as defined by 326 IAC 2-7-1(34).~~

...

(g) The report for project at an existing emissions unit shall be submitted ~~within~~ **no later than** sixty (60) days after the end of the year and contain the following:

...

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

D.1.3 Record Keeping Requirements

(a) To document compliance with Condition D.1.1, the Permittee shall maintain records of the amount of oil charge to the evaporator and the amount of oil disposed of as waste. Records necessary to demonstrate compliance shall be available ~~within~~ **no later than** 30 days of the end of each compliance period.

...

D.1.4 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, ~~within~~ **no later than** thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by a "responsible official" as

...

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

D.2.2 Record Keeping Requirements

(a) To document compliance with Condition D.2.1, 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 fuel usage limits established in Condition D.2.1. Records necessary to demonstrate compliance shall be available ~~within~~ **no later than** 30 days of the end of each compliance period.

(1) The usage of gasoline and gasoline equivalents, in gallons, in the eight (8) engine test cells each month;

(2) The usage of diesel and diesel equivalents, in gallons, in the eight (8) engine test cells each month; and

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

D.2.3 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, ~~within~~ **no later than** thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).

Change 7: *IDEM has clarified what rule requirements a certification needs to meet. The following changes are made to the permit:*

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

...

The submittal by the Permittee does require the certification **that meets the requirements of 326 IAC 2-7-(6)(1)** by ~~the~~ **a** "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) (12)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

...

(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 **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

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

...

The notification which shall be submitted by the Permittee does not require the certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

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 a **certification that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

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

...

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

...

Any such application ~~shall be certified~~ **does require a certification that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

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

...

(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 a certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

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

...

(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:

...

~~The application which shall be submitted by the Permittee does require the certification by a "responsible official" as defined by 326 IAC 2-7-1(34).~~ **Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).**

...

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

...

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

...

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 **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

C.7 Performance Testing [326 IAC 3-6]

...

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification that meets the requirements of **326 IAC 2-7-6(1)** by a "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 a certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)] [40 CFR 64][326 IAC 3-8]

...

The notification which shall be submitted by the Permittee does require a certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

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

...

The response action documents submitted pursuant to this condition do require a certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

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

...

The emission statement does require a certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [40 CFR 64] [326 IAC 3-8]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. **Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph. 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 no later than thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

~~(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within~~ **~~no later than~~** ~~thirty (30) days of the end of the reporting period. All reports do require a certification~~ **~~that meets the requirements of 326 IAC 2-7-6(1)~~** ~~by the~~ **~~a~~** ~~"responsible official" as defined by 326 IAC 2-7-1(34).~~

...

D.1.4 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require a certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

D.2.3 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require a certification **that meets the requirements of 326 IAC 2-7-6(1)** by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

Change 8: Condition B.7 has been revised as follows:

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 a "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.

...

Change 9: To clarify that Condition B.8 (Certification) only states what a certification must be, IDEM has revised the condition as follows:

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

(a) ~~Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the a "responsible official" of truth, accuracy, and completeness. This certification shall state that~~, **A certification required by the permit meets the requirements of 326 IAC 2-7-6(1) if:**

(1) it contains a certification by a "responsible official", as defined by 326 IAC 2-7-1(34), and

(2) the certification states 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~~ T**he Permittee may use** the attached Certification Form, **or its equivalent,** 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).

Change 10: IDEM has added a new paragraph (b) to handle future situations where the Permittee adds units that need preventive maintenance plans developed. IDEM has also clarified other aspects of Condition B.10 (Preventive Maintenance Plan). The permit is changed as follows:

B.10 Preventive Maintenance Plan [326 IAC 2-7-5 ~~(1),(3) and (13)~~ **(12)**] ~~[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~~: **A Preventive Maintenance Plan (PMP) meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:**

(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.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, 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 PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official", as defined by 326 IAC 2-7-1(34).

(~~b~~ **c)** 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 **and their submittal** do not require the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(~~c~~ **d**) 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.

Change 11: Having a separate condition for the reporting of deviations is unnecessary. Therefore, IDEM has removed Section B - Deviation from Permit Requirements and Conditions and added the requirements of that condition to Section C - General Reporting Requirements. Paragraph (d) of Section C - General Reporting Requirements has been removed because IDEM already states the timeline and certification needs of each report in the condition requiring the report. Subparagraph (g)(4) has been revised to match the underlying rule language.

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

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

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

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

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

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

...

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] **[40 CFR 64] [326 IAC 3-8]**

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. **Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph.** Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported **except that 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**. This report shall be submitted ~~within~~ **no later than** thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34). **A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.**

(b) ~~The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to~~ **Address for report submittal is:**

...

(d) **Reserved** ~~Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within no later than thirty (30) days of the end of the reporting period. All reports do require a certification that meets the requirements of 326 IAC 2-7-6(1) by the a "responsible official" as defined by 326 IAC 2-7-1(34).~~

...

(4) Any other information that the Permittee ~~deems fit~~ **wishes** to include in this report **such as an explanation as to why the emissions differ from the preconstruction projection.**

...

Change 12: *The condition should state which rule establishes the authority to set a deadline for the Permittee to submit additional information. Therefore, Condition B.17 (Permit Renewal) has been revised as follows:*

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

...

(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, **pursuant to 326 2-7-4(a)(2)(D),** writing by IDEM, OAQ any additional information identified as being needed to process the application.

...

Change13: *No notice is required for approved changes in Condition B.19 (Permit Revision Under Economic Incentives and Other Programs). Therefore, the permit is changed as follows:*

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 **or notice** 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.

...

Change 14: IDEM has added 326 IAC 5-1-1 to the exception clause of Section C - Opacity, since 326 IAC 5-1-1 does list exceptions.

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:

...

Change 15: IDEM has revised Section C - Incineration to more closely reflect the two (2) underlying rules, as follows:

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

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

Change 16: IDEM has removed the first paragraph of Condition C.7 (Performance Testing) due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures. The permit is changed as follows:

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

...

Change 17: IDEM has revised Section C - Compliance Monitoring. The reference to recordkeeping has been removed due to the fact that other conditions already address recordkeeping. The voice of the condition has been change to clearly indicate that it is the Permittee that must follow the requirements of the condition.

C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)] **[40 CFR 64][326 IAC 3-8]**

Unless otherwise specified in this permit, **for** all monitoring ~~and record keeping~~ requirements not already legally required, **the Permittee shall be allowed up to** ~~shall be implemented within~~ **no** ~~**later than**~~ ninety (90) days ~~of~~ **from the date of** permit issuance or ninety (90) days of initial start-up, whichever is later, **to begin such monitoring.** ~~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~~ **the Permittee's** control, ~~that~~ **any monitoring** equipment **required by this permit** cannot be installed and operated ~~within~~ **no later than** ninety (90) days **after permit issuance or the date of initial start-up, whichever is later,** the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

...

Change 18: IDEM has removed Section C - Monitoring Methods. The conditions that require the monitoring or testing, if required, state what methods shall be used. The permit has been changed as follows:

C.10 **Reserved** ~~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.~~

Change 19: IDEM has revised Section C - Response to Excursions or Exceedances. The introduction sentence has been added to clarify that it is only when an excursion or exceedance is detected that the requirements of this condition need to be followed. The word "excess" was added to the last sentence of paragraph (a) because the Permittee only has to minimize excess emissions. The middle of paragraph (b) has been deleted as it was duplicative of paragraph (a). The phrase "or are returning" was added to subparagraph (b)(2) as this is an acceptable response assuming the operation or emission unit does return to normal or its usual manner of operation. The phrase "within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable" was replaced with "normal or usual manner of operation" because the first phrase is just a limited list of the second phrase. The recordkeeping required by paragraph (e) was changed to require only records of the response because the previously listed items are required to be recorded elsewhere in the permit.

C.14 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8] [326 IAC 2-7-5] [326 IAC 2-7-6]

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

(a) ~~Upon detecting an excursion or exceedance,~~ **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. ~~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~~ **The response** may include, but ~~are~~ **is** 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~~ **normal or usual manner of operation.**

...

(e) The Permittee shall ~~maintain the following records~~ **record the reasonable response steps taken.**

~~(1) monitoring data;~~

~~(2) monitor performance data, if applicable; and~~

~~(3) corrective actions taken.~~

Change 20: IDEM has revised Section C - Actions Related to Noncompliance Demonstrated by a Stack Test. The requirements to take response steps and minimize excess emissions have been removed because Section C - Response to Excursions or Exceedances already requires response steps related to exceedances and excess emissions minimization. The start of the timelines was switched from "the receipt of the test results" to "the date of the test." There was confusion if the "receipt" was by IDEM, the Permittee, or someone else. Since the start of the timelines has been moved up, the length of the timelines was increased. The new timelines require action within a comparable timeline; and the new timelines still ensure that the Permittee will return to compliance within a reasonable timeframe.

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

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee ~~shall take appropriate response actions. The Permittee~~ shall submit a description of ~~these~~ **its** response actions to IDEM, OAQ, ~~within~~ **no later than** ~~thirty (30) days of receipt of the test results.~~ **seventy-five (75) days after the date of the test.** ~~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 no later than one hundred ~~twenty (120)~~ **eighty (80)** days ~~of receipt of the original test results.~~ **after the date of the test.** Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred ~~twenty (120)~~ **eighty (180)** days is not practicable, IDEM, OAQ may extend the retesting deadline.

...

Change 21: Section C - General Record Keeping Requirements
IDEM, OAQ has clarified the Permittee's responsibility with regards to record keeping.
The voice of paragraph (b) has been changed to clearly indicate that it is the Permittee that must follow the requirements of the paragraph.

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. **Support information includes the following:**

(AA) All calibration and maintenance records.
(BB) All original strip chart recordings for continuous monitoring instrumentation.
(CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following:

(AA) The date, place, as defined by this permit, and time of sampling or measurements.
(BB) The dates analyses were performed.
(CC) The company or entity that performed the analyses.
(DD) The analytical techniques or methods used.
(EE) The results of such analyses.
(FF) The operating conditions as existing at the time of sampling or measurement.

...

(b) Unless otherwise specified in this permit, **for** all record keeping requirements not already legally required**, the Permittee shall be allowed up to** ~~shall be implemented within~~ **no later than** ninety (90) days of permit issuance or ninety (90) days of initial start-up, whichever is later **to begin such record keeping**.

...

Change 22: IDEM has simplified the referencing in Section C - Compliance with 40 CFR 82 and 326 IAC 22-1. The permit is changed as follows:

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

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

~~(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.~~

~~(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.~~

~~(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.~~

Change 23: For clarity, IDEM has changed references to the general conditions: "in accordance with Section B", "in accordance with Section C", or other similar language, to " Section C ... contains the Permittee's obligations with regard to the records required by this condition." The following changes have been made to the permit:

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(~~13~~ **12**)]

A Preventive Maintenance Plan, ~~in accordance with Section B - Preventive Maintenance Plan, of this permit,~~ is required for this facility. **Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.**

D.1.3 Record Keeping Requirements

...

(b) ~~All records shall be maintained in accordance with~~ Section C - General Record Keeping Requirements~~, of this permit~~. **contains the Permittee's obligation with regard to records required by this condition.**

...

D.2.2 Record Keeping Requirements

...

(b) ~~All records shall be maintained in accordance with~~ Section C - General Record Keeping Requirements~~, of this permit~~. **contains the Permittee's obligation with regard to records required by this condition.**

...

D.5.4 Preventive Maintenance Plan [326 IAC 2-7-5(~~13~~ **12**)]

A Preventive Maintenance Plan, ~~in accordance with Section B - Preventive Maintenance Plan, of this permit,~~ is required for the reverberatory furnaces, melt furnace, and spray booth and its control device. **Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.**

Change 24: The word "status" has been added the Section D - Record Keeping Requirements and Section D - Reporting Requirements. The Permittee has the obligation to document and report the compliance status. The permit is changed as follows:

...

D.1.3 Record Keeping Requirements

(a) To document **the** compliance **status** with Condition D.1.1, the Permittee shall maintain records of the amount of oil charge to the evaporator and the amount of oil disposed of as waste. Records necessary to demonstrate compliance shall be available no later than 30 days of the end of each compliance period.

...

D.2.2 Record Keeping Requirements

(a) To document **the** compliance **status** with Condition D.2.1, 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 fuel usage limits established in Condition D.2.1. Records necessary to demonstrate compliance shall be available no later than 30 days of the end of each compliance period.

...

D.5.6 Record Keeping Requirements

(a) To document **the** compliance **status** with Condition D.5.5, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.

(b) ~~All records shall be maintained in accordance with~~ Section C - General Record Keeping Requirements~~, of this permit~~. **contains the Permittee's obligation with regard to records required by this condition.**

D.1.4 Reporting Requirements

A quarterly summary of the information to document **the** compliance **status** with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

D.2.3 Reporting Requirements

A quarterly summary of the information to document **the** compliance **status** with Condition D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

...

Change 25: *On October 27, 2010, the Indiana Air Pollution Control Board issued revisions to 326 IAC 2. These revisions resulted in changes only to the rule cites listed in the permit and are not changes to the underlying provisions. The permit and table of contents have been changed as follows:*

Section A - General Information

SECTION A **SOURCE SUMMARY**

...

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5~~(15)~~ **(14)**] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary aluminum foundry that manufactures pistons.

...

Section A - Emission Units and Pollution Control Equipment Summary

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5~~(15)~~ **(14)**]

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

...

Section A - Specifically Regulated Insignificant Activities,

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)] [326 IAC 2-7-5~~(15)~~ **(14)**]

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

...

Section B - Preventative Maintenance Plan,

B.10 Preventive Maintenance Plan [326 IAC 2-7-5 ~~(1),(3) and (13)~~ **(12)**] ~~[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:

Section B - Emergency Provisions

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

...

(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)~~ **(8)** be revised in response to an emergency.

...

Section B - Operational Flexibility

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)~~,~~ **or** (c)~~, or (e)~~ without a prior permit revision, if each of the following conditions is met:

...

(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)~~,~~ **and** (c)(1)~~, and (e)(2)~~.

...

Section C - Risk Management Plan

C.13 Risk Management Plan [326 IAC 2-7-5(~~12~~ **11**)] [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.

Section C - Response to Excursions or Exceedances

C.14 Response to Excursions or Exceedances **[40 CFR 64][326 IAC 3-8]** [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 (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.

...

Section C - General Record Keeping Requirements

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

...

(c) If there is a reasonable possibility (as defined in ~~40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B),40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b))~~ **326 IAC 2-2-8(b)** that a "project" (as defined in 326 IAC 2-2-1(~~qq~~ **oo**) and/or 326 IAC 2-3-1(~~ll~~ **jj**)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(~~ee~~ **dd**) and/or 326 IAC 2-3-1(~~z~~ **y**)) 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~~ **pp**) and/or 326 IAC 2-3-1(~~mm~~ **kk**)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(~~qq~~ **oo**) and/or 326 IAC 2-3-1(~~ll~~ **jj**)) 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~~ **pp**)(2)(A)(iii) and/or 326 IAC 2-3-1 (~~mm~~ **kk**)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(d) If there is a reasonable possibility (as defined in ~~40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a))~~ **326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2(l)(6)(a))** that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(~~ee~~ **dd**) and/or 326 IAC 2-3-1(~~z~~ **y**)) 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~~ **pp**) and/or 326 IAC 2-3-1(~~mm~~ **kk**)), the Permittee shall comply with following:

...

Section C - General Reporting Requirements

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] **[40 CFR 64] [326 IAC 3-8]**

...

(f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (~~qq~~ **oo**) and/or 326 IAC 2-3-1 (~~ll~~ **jj**)) 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~~ **ww**) and/or 326 IAC 2-3-1 (~~qq~~ **pp**), for that regulated NSR pollutant, and

...

Section D - Facility Operation Conditions

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

...

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(~~13~~ **12**)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.

...

Pursuant to 326 IAC 2-7-1-40, starting July 1, 2011, greenhouse gas (GHGs) emissions are subject to regulation at a source with a potential to emit (PTE) of 100,000 tons per year or more of CO2 equivalent emissions (CO2e). Therefore, CO2e emissions have been calculated for this source. Based on the calculations, the unlimited PTE of GHGs from the entire source is less than 100,000 tons of CO2e per year (see Appendix A for the calculations). This did not require any changes to the permit.

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

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact Deborah Cole, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204 2251, or call at (800) 451-6027, extension (4-5377), or dial (317) 234-5377.

Sincerely,

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments:
Updated Permit, Calculations
Ilc/dac

cc: File – Allen County
Allen County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY

KS Kolbenschmidt US, Inc. (KS KUS)
2425 Coliseum Boulevard South
Fort Wayne, Indiana 46803

(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.: T003-26469-00064	
Original Issued by: Tripurari P. Sinha, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: December 23, 2009 Expiration Date: December 23, 2014
First Administrative Amendment No.: T003-32400-00064	
Issued by: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: November 19, 2012 Expiration Date: December 23, 2014

TABLE OF CONTENTS

A. SOURCE SUMMARY 5
A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]
A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]
A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]
A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

B. GENERAL CONDITIONS 8
B.1 Definitions [326 IAC 2-7-1]
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)]
B.3 Term of Conditions [326 IAC 2-1.1-9.5]
B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]
B.5 Severability [326 IAC 2-7-5(5)]
B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]
B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]
B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]
B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]
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]
B.11 Emergency Provisions [326 IAC 2-7-16]
B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]
B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]
B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]
B.15 Reserved
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]
B.17 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]
B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]
B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12(b)(2)]
B.20 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]
B.21 Source Modification Requirement [326 IAC 2-7-10.5]
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]
B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]
B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]
B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

C. SOURCE OPERATION CONDITIONS 19

Emission Limitations and Standards [326 IAC 2-7-5(1)]
C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]
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 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

Testing Requirements [326 IAC 2-7-6(1)]
C.7 Performance Testing [326 IAC 3-6]

Compliance Requirements [326 IAC 2-1.1-11]
C.8 Compliance Requirements [326 IAC 2-1.1-11]

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)]
C.10 Reserved
C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]
C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]
C.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]
C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)] [326 IAC 2-6]
C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]
C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]

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

D.1 FACILITY OPERATION CONDITIONS - Evaporator 28

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]
D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
D.1.3 Record Keeping Requirements
D.1.4 Reporting Requirements

D.2 FACILITY OPERATION CONDITIONS - Eight (8) Engine Test Cells 29

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.2.1 PSD Minor Limit [326 IAC 2-2]

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
D.2.2 Record Keeping Requirements
D.2.3 Reporting Requirements

D.3 FACILITY OPERATION CONDITIONS - Natural Gas Combustion 31

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.3.1 Particulate [326 IAC 6-2-3][326 IAC 6-2-4]

D.4 FACILITY OPERATION CONDITIONS - Grinding & Machining Operations 33

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.4.1 Particulate [326 IAC 6-3-2]

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
D.4.2 Particulate Control

D.5 FACILITY CONDITIONS - Reverberatory & Melt Furnaces..... 34

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.5.1 Particulate [326 IAC 6-3-2]
D.5.2 Particulate [326 IAC 6-3-2(d)]
D.5.3 Secondary Aluminum NESHAP [40 CFR 63, Subpart RRR]
D.5.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
D.5.5 Monitoring [40 CFR 64]

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
D.5.6 Record Keeping Requirements

Certification **37**
Emergency Occurrence Report **38**
Quarterly Reports..... **40-41**
Quarterly Deviation and Compliance Monitoring Report..... **43**

SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5 (14)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary aluminum foundry that manufactures pistons.

Source Address:	2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
General Source Phone Number:	(219) 426-8081
SIC Code:	3365 (Aluminum Foundries)
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5 (14)]

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

(a) one (1) evaporator, identified as EV1, with a maximum capacity of 0.75 MMBTU/hr and 3.75 gal/hr of oil/water mixture, constructed in 1992, and exhausting to stack 9; and

(b) eight (8) engine test cells, all constructed in August 2001, each consisting of one (1) Electric Dyno and one (1) gasoline or diesel fuel fired Reciprocating Internal Combustion Engine, each engine has a maximum heat input rating of 1.1 million British thermal units per hour (MMBtu/hr) and a maximum power output rating of 450 horsepower (HP), each exhausting through one (1) stack (Stacks 1 through 8).

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)] [326 IAC 2-7-5 (14)]

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

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour (MMBtu/hr), including the following:

(1) one (1) natural gas-fired boiler, identified as Boiler #2, with a maximum heat input capacity of 8.4 million British thermal units per hour (MMBtu/hr), constructed in 1955;

(2) one (1) natural gas-fired boiler, identified as Boiler #3, with a maximum heat input capacity of 1.0 million British thermal units per hour (MMBtu/hr), constructed in August 1983;

(3) one (1) natural gas-fired boiler, identified as Boiler #5, with a maximum heat input capacity of 8.59 million British thermal units per hour (MMBtu/hr), constructed in 1955;

(4) one (1) natural gas-fired boiler, identified as Boiler #7, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001;

(5) one (1) natural gas-fired boiler, identified as Boiler #8, with a maximum heat input capacity of 2.5 million British thermal units per hour (MMBtu/hr), constructed in 2001;

(6) one (1) natural gas-fired boiler, identified as Boiler #9, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001; and

(7) one (1) natural gas-fired boiler, identified as Boiler #10, constructed in 2001, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001.

(b) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to three one-hundredths (0.03) grains per actual cubic foot and a gas flow rate less than or equal to four thousand (4,000) actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations.

(1) one (1) surface grinding operation, consisting of fifteen (15) surface grinders, constructed in 2003, with a maximum total throughput capacity of 800 pounds of processed metal per hour, with emissions controlled by one (1) baghouse;

(c) The following facilities with emissions below the exemption threshold levels:

(1) one (1) natural gas-fired reverberatory furnace, identified as M5, with a maximum heat input capacity of 3.1 MMBtu per hour and a maximum melt capacity of 800 pounds per hour; Note: M5 was previously identified as F20, one of the reverberatory furnaces not removed from the source;

(2) one (1) natural gas-fired reverberatory furnace, identified as M1, constructed in 2004, with a maximum heat input capacity of 1.85 MMBtu per hour and a maximum melt capacity of 1,000 pounds per hour;

(3) one (1) natural gas-fired melt furnace, identified as M4, constructed in April 2001, with a maximum heat input capacity of 5.5 MMBtu per hour and a maximum melt capacity of 2,500 pounds per hour;

(4) one (1) spray booth, identified as SB-1, with a maximum capacity of coating 3 molds per hour and 3 ladles per hour, using air atomization applicators, equipped with paper filters for particulate control and exhausting to the atmosphere;

(5) two (2) parts washing stations, each utilizing less than 145 gallons of solvent per twelve (12) months. One of the three (3) solvents used at the washing stations, identified as Safety Kleen 105 Solvent Recycled, contains 0.01% (100 ppm) of perchloroethylene;

(6) one (1) 1,000 gallon heated fixed roof ethanol storage tank with an annual throughput of 12,000 gallons or less;

(7) two (2) coating operations for surface coating pistons, which includes a pre-washer, a natural gas fired dry off oven with a maximum heat input capacity of 0.4 million British thermal units (MMBtu) per hour, roller coating, silk screen coating application, and a natural gas-fired curing oven with a maximum heat input capacity of 1.0 MMBtu per hour; and

(8) two (2) phosphate pretreat lines, consisting of six (6) spray tanks connected to a Reverse Osmosis Halo System.

(9) one (1) natural gas-fired heat treat oven, with a maximum rated capacity of 1.2 million British thermal units (MMBtu) per hour, exhausting through one (1) stack.

(d) VOC and HAP storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons. These units also have potential PM, PM_{10}, and SO_2 emissions below insignificant thresholds:

one (1) anodizing line, identified as Anodizing Line #3, processing a maximum of 480 pistons per hour, consisting of the following:

(A) one (1) covered electrolyte holding tank with a maximum capacity of 300 gallons;

(B) one (1) rectifier; and

(C) one (1) packed bed scrubber for control of sulfur dioxide and sulfuric acid mist emissions from the holding tank, exhausting through one (1) stack, SCR3, which exhausts inside the building.

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

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

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

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

(a) This permit, T003-26469-00064, 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] [IC 13-17-12]

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. 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) A certification required by the permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official", as defined by 326 IAC 2-7-1(34), and

(2) the certification states that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent, 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 no later than July 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

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 a certification that meets the requirements of 326 IAC 2-7-(6)(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5 (12)] [326 IAC 1-6-3]

(a) A Preventive Maintenance Plan (PMP) meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

(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.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, 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 PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official", as defined by 326 IAC 2-7-1(34).

(c) 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. PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(d) 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;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

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

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

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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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(8) 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. Any emergencies that have been previously reported pursuant to paragraph (b)(5) of this condition and certified by a "Responsible Officer" need only reference the date of the original report.

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

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

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

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable

requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

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

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

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

(a) All terms and conditions of permits established prior to T003-26469-00064 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 Reserved

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

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the

document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 2-7-4(a)(2)(D), 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 or notice 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) or (c) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b or (c). 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) and (c)(1).

(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a “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]

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

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

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

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (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 forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

The Permittee shall not operate an incinerator 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). 326 IAC 6-4-2(4) is 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
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. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 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 2-7-6(1)]

C.7 Performance Testing [326 IAC 3-6]

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. The protocol submitted by the Permittee does not require certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(a) 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 a certification that meets the requiremenets of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(b) 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)] [40 CFR 64][326 IAC 3-8]

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or ninety (90) days of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial start-up, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 Reserved

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

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

C.12 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 maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) 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.13 Risk Management Plan [326 IAC 2-7-5(11)] [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.14 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8] [326 IAC 2-7-5] [326 IAC 2-7-6]

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

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall 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 (80) 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.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

(a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a); and

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

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

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following:

(AA) All calibration and maintenance records.
(BB) All original strip chart recordings for continuous monitoring instrumentation.
(CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following:

(AA) The date, place, as defined by this permit, and time of sampling or measurements.
(BB) The dates analyses were performed.
(CC) The company or entity that performed the analyses.
(DD) The analytical techniques or methods used.
(EE) The results of such analyses.
(FF) The operating conditions as existing at the time of sampling or measurement.

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 of permit issuance or ninety (90) days of initial start-up, whichever is later to begin such record keeping.

(c) If there is a reasonable possibility as defined in 326 IAC 2-2-8(b) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1jj)) 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(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2(l)(6)(a)) that a “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:

(1) 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

(2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [40 CFR 64] [326 IAC 3-8]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that 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. This report shall be submitted no later than thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) Address for report submittal is:

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) Reserved

(e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

(f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jj)) 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 (ww) and/or 326 IAC 2-3-1 (pp), 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 no later than 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 (d)(1) and (2) in Section C - General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

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

Indianapolis, Indiana 46204-2251

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

Stratospheric Ozone Protection

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

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) one (1) evaporator, identified as EV1, with a maximum capacity of 0.75 MMBTU/hr and 3.75 gal/hr of oil/water mixture, constructed in 1992, and exhausting to stack 9.

(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 2-7-5(1)]

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

In order to render 326 IAC 8-1-6 not applicable, the amount of oil charged to the evaporator minus the oil disposed of as waste shall be limited to 32,880 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limits VOC emissions from the evaporator to less than 25 tons per year so that the requirements of 326 IAC 8-1-6 (New Facilities, General Reduction Requirements) do not apply.

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for this facility. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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

D.1.3 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.1, the Permittee shall maintain records of the amount of oil charge to the evaporator and the amount of oil disposed of as waste. Records necessary to demonstrate compliance shall be available no later than 30 days of the end of each compliance period.

(b) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to records required by this condition.

D.1.4 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(b) eight (8) engine test cells, all constructed in August 2001, each consisting of one (1) Electric Dyno and one (1) gasoline or diesel fuel fired Reciprocating Internal Combustion Engine, each engine has a maximum heat input rating of 1.1 million British thermal units per hour (MMBtu/hr) and a maximum power output rating of 450 horsepower (HP), each exhausting through one (1) stack (Stacks 1 through 8).

(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 PSD Minor Limit [326 IAC 2-2]

(a) The total usage of gasoline and gasoline equivalents in the eight (8) engine test cells shall not exceed 50,253 gallons of gasoline per twelve (12) consecutive month period, with compliance determined at the end of each month, so that VOC and CO emissions are limited to less than 100 tons per year.

(b) The total usage of diesel and diesel equivalents in the eight (8) engine test cells shall not exceed 327,814 gallons of diesel fuel per twelve (12) consecutive month period, with compliance determined at the end of each month, so that NOx emissions are limited to less than 100 tons per year.

(c) For purposes of determining compliance, the following shall apply:

(1) every 1,000 gallons of diesel fuel oil burned shall be equivalent to 33 gallons of gasoline based on CO emissions such that the total gallons of gasoline and gasoline equivalent input does not exceed the limit specified;

(2) every 1,000 gallons of gasoline burned shall be equivalent to 168.9 gallons of diesel fuel oil based on NOx emissions such that the total gallons of diesel fuel oil and diesel fuel oil equivalent input does not exceed the limit specified.

Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable to the eight (8) engine test cells.

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

D.2.2 Record Keeping Requirements

(a) To document the compliance status with Condition D.2.1, 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 fuel usage limits established in Condition D.2.1. Records necessary to demonstrate compliance shall be available no later than 30 days of the end of each compliance period.

(1) The usage of gasoline and gasoline equivalents, in gallons, in the eight (8) engine test cells each month;

(2) The usage of diesel and diesel equivalents, in gallons, in the eight (8) engine test cells each month; and

(b) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to records required by this condition.

D.2.3 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(34).

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour (MMBtu/hr), including the following:

(1) one (1) natural gas-fired boiler, identified as Boiler #2, with a maximum heat input capacity of 8.4 million British thermal units per hour (MMBtu/hr), constructed in 1955;

(2) one (1) natural gas-fired boiler, identified as Boiler #3, with a maximum heat input capacity of 1.0 million British thermal units per hour (MMBtu/hr), constructed in August 1983;

(3) one (1) natural gas-fired boiler, identified as Boiler #5, with a maximum heat input capacity of 8.59 million British thermal units per hour (MMBtu/hr), constructed in 1955;

(4) one (1) natural gas-fired boiler, identified as Boiler #7, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001;

(5) one (1) natural gas-fired boiler, identified as Boiler #8, with a maximum heat input capacity of 2.5 million British thermal units per hour (MMBtu/hr), constructed in 2001;

(6) one (1) natural gas-fired boiler, identified as Boiler #9, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001; and

(7) one (1) natural gas-fired boiler, identified as Boiler #10, constructed in 2001, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001.

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

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

D.3.1 Particulate [326 IAC 6-2-3][326 IAC 6-2-4]

(a) Pursuant to 326 IAC 6-2-3(d) and 326 IAC 6-2-3(e) (Particulate Emission Limitations for Sources of Indirect Heating) the following particulate emission limits shall apply to boilers #2, #3, and #5:

(1) particulate emissions from each of the 8.4 and 8.59 MMBtu per hour heat input boilers, referred to as Boiler #2 and Boiler #5, respectively, shall not exceed 0.8 pound per MMBtu heat input.

(2) particulate emissions from the 1.0 MMBtu per hour heat input boiler, referred to as Boiler #3, shall not exceed 0.6 pound per MMBtu of heat input.

(b) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions from each of the 3.5, 2.5, 3.5, and 3.5 MMBtu per hour heat input boilers, referred to as boilers #7, #8, #9, and #10, respectively, shall not exceed 0.45 pound per MMBtu of heat input.

This limitation is based on the following equation:

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

where: P_t = pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input
Q = Total source maximum operating capacity rating in MMBtu/hr heat input.
= 30.99 MMBtu/hr

SECTION D.4 FACILITY OPERATION CONDITIONS

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

(b) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to three one-hundredths (0.03) grains per actual cubic foot and a gas flow rate less than or equal to four thousand (4,000) actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations.

(1) one (1) surface grinding operation, consisting of fifteen (15) surface grinders, constructed in 2003, with a maximum total throughput capacity of 800 pounds of processed metal per hour, with emissions controlled by one (1) baghouse;

(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 6-3-2] [326 IAC 2-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the surface grinding operations shall not exceed 2.22 pounds per hour when operating at a process weight rate of 800 pounds per hour. The pound per hour limitation was calculated using the following equation:

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

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

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

D.4.2 Particulate Control

In order to comply with condition D.4.1, the baghouse for particulate control shall be in operation and control emissions from the surface grinding operations at all times that the surface grinding operations are in operation.

SECTION D.5 FACILITY OPERATION CONDITIONS

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

(c) The following facilities with emissions below insignificant thresholds:

(1) one (1) natural gas-fired reverberatory furnace, identified as M5, with a maximum heat input capacity of 3.1 MMBtu per hour and a maximum melt capacity of 800 pounds per hour; Note: M5 was previously identified as F20, one of the reverberatory furnaces not removed from the source;

(2) one (1) natural gas-fired reverberatory furnace, identified as M1, constructed in 2004, with a maximum heat input capacity of 1.85 MMBtu per hour and a maximum melt capacity of 1,000 pounds per hour;

(3) one (1) natural gas-fired melt furnace, identified as M4, constructed in April 2001, with a maximum heat input capacity of 5.5 MMBtu per hour and a maximum melt capacity of 2,500 pounds per hour;

(4) one (1) spray booth, identified as SB-1, with a maximum capacity of coating 3 molds per hour and 3 ladles per hour, using air atomization applicators, equipped with paper filters for particulate control and exhausting to the atmosphere;

(5) two (2) parts washing stations, each utilizing less than 145 gallons of solvent per twelve (12) months. One of the three (3) solvents used at the washing stations, identified as Safety Kleen 105 Solvent Recycled, contains 0.01% (100 ppm) of perchloroethylene;

(6) one (1) 1,000 gallon heated fixed roof ethanol storage tank with an annual throughput of 12,000 gallons or less;

(7) two (2) coating operations for surface coating pistons, which includes a pre-washer, a natural gas fired dry off oven with a maximum heat input capacity of 0.4 million British thermal units (MMBtu) per hour, roller coating, silk screen coating application, and a natural gas-fired curing oven with a maximum heat input capacity of 1.0 MMBtu per hour; and

(8) two (2) phosphate pretreat lines, consisting of six (6) spray tanks connected to a Reverse Osmosis Halo System;

(9) one (1) natural gas-fired heat treat oven, with a maximum rated capacity of 1.2 million British thermal units (MMBtu) per hour, exhausting through one (1) stack.

(d) VOC and HAP storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons. These units also have potential PM, PM10, and SO2 emissions below insignificant thresholds:

one (1) anodizing line, identified as Anodizing Line #3, processing a maximum of 480 pistons per hour, consisting of the following:

(A) one (1) covered electrolyte holding tank with a maximum capacity of 300 gallons;

(B) one (1) rectifier; and

(C) one (1) packed bed scrubber for control of sulfur dioxide and sulfuric acid mist emissions from the holding tank, exhausting through one (1) stack, SCR3, which exhausts inside the building.

(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 Particulate [326 IAC 6-3-2(e)]

(a) Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the reverberatory furnace, identified as M5, shall not exceed 2.22 pounds per hour when the furnace is operating at a process weight rate of 800 pounds per hour.

(b) Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) reverberatory furnace, identified as M1, shall not exceed 2.58 pounds per hour when the furnace is operating at a process weight rate of 1,000 pounds per hour.

(c) Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) melt furnace, identified as M4, shall not exceed 4.76 pounds per hour when the furnace is operating at a process weight rate of 2,500 pounds per hour.

The pounds per hour limitations above were calculated using the following equation:

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

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

D.5.2 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the spray booth (SB-1) shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.5.3 Secondary Aluminum NESHAP [40 CFR 63, Subpart RRR]

The two (2) reverberatory furnaces M5 and M1 and the one (1) melt furnace (M4) shall only melt clean charge, customer returns, or internal scrap as defined under 40 CFR 63.1503. Therefore, the requirements of 40 CFR 63, Subpart RRR do not apply.

D.5.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for the reverberatory furnaces, melt furnace, and spray booth and its control device. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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

D.5.5 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 dry filters while the booth is 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 Excursion or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursion or Exceedances, shall be considered a deviation from this permit.

(b) Monthly inspections shall be performed of the coating emissions from the dry filters and the presence of overspray on 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 Excursion or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursion 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.5.6 Record Keeping Requirements

(a) To document the compliance status with Condition D.5.5, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.

(b) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to records required by this condition.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: KS Kolbenschmidt US, Inc. (KS KUS)
Source Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: KS Kolbenschmidt US, Inc. (KS KUS)
Source Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064

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**) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
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: _____

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

Part 70 Quarterly Report

Source Name: KS Kolbenschmidt US, Inc. (KS KUS)
Source Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064
Facility: Evaporator, EV1
Parameter: Net Oil Usage
Limit: The amount of oil charged to the evaporator minus the oil disposed of as waste shall be limited to 32,880 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	Net Oil Usage This Month (gallons)	Net Oil Usage Previous 11 Months (gallons)	12 Month Total Net Oil Usage (gallons)
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: _____

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

Part 70 Quarterly Report

Source Name: KS Kolbenschmidt US, Inc. (KS KUS)
Mailing Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064
Facility: Eight (8) engine test cells
Parameter: Gasoline Usage
Limit: The total usage of gasoline and gasoline equivalents in the eight (8) engine test cells shall not exceed 50,253 gallons of gasoline per twelve (12) consecutive month period, with compliance determined at the end of each month. For purposes of determining compliance, every 1,000 gallons of diesel fuel oil burned shall be equivalent to 33 gallons of gasoline based on CO emissions such that the total gallons of gasoline and gasoline equivalent input does not exceed the limit specified.

QUARTER: YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	Net Oil Usage This Month (gallons)	Net Oil Usage Previous 11 Months (gallons)	12 Month Total Net Oil Usage (gallons)
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: _____

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

Part 70 Quarterly Report

Source Name: KS Kolbenschmidt US, Inc. (KS KUS)
Source Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064
Facility: Eight (8) engine test cells
Parameter: Diesel Usage
Limit: The total usage of diesel and diesel equivalents in the eight (8) engine test cells shall not exceed 327,814 gallons of diesel fuel per twelve (12) consecutive month period, with compliance determined at the end of each month. For purposes of determining compliance, every 1,000 gallons of gasoline burned shall be equivalent to 168.9 gallons of diesel fuel oil based on NOx emissions such that the total gallons of diesel fuel oil and diesel fuel oil equivalent input does not exceed the limit specified.

QUARTER: YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	Net Oil Usage This Month (gallons)	Net Oil Usage Previous 11 Months (gallons)	12 Month Total Net Oil Usage (gallons)
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: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: KS Kolbenschmidt US, Inc. (KS KUS)
Source Address: 2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064

Months: _____ to _____ Year: _____

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C - General Reporting. Any deviation from the requirements of this permit, 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:	

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: _____

Appendix A: Emissions Calculations
Emission Summary

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Administrative Amendment: 003-32400-00064
Permit Reviewer: Deborah Cole

Uncontrolled Potential to Emit

	PM (tons/yr)	PM_{10} (tons/yr)	SO_2 (tons/yr)	VOC (tons/yr)	CO (tons/yr)	GHG	NOx (tons/yr)	HAPs (tons/yr)
Emission Unit								
Evaporator**	0.00	0.00	0.00	90.00	0.00	0.00	0.00	0.00
8 Engine Test Cells	46.76	46.76	43.68	188.25	5,011.49	0.00	664.55	0.00
Reverb Fur. M1	0.04	0.28	0.00	0.44	0.00		0.00	0.00
Reverb Fur. M4	0.10	0.71	0.00	1.10	0.00	5,417.59	0.00	0.00
Reverb Fur. M5	0.03	0.23	0.00	0.35	0.00		0.00	0.00
7 Boilers	0.25	1.01	0.08	0.73	11.18	16,066.15	13.31	0.251
Combustion Units	0.11	0.43	0.03	0.31	4.73	6,791.43	5.63	0.11
Spray Booth SB-1	8.91	8.91	0.00	0.62	0.00	0.00	0.00	neg
Grinding and Machining	29.78	4.51 (2.98)*	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions	85.99	62.84	43.79	281.79	5,027.39	28,275.18	683.49	Single HAP <10 Combined HAPs < 25

Note: ** Uncontrol and limited emissions is based on FESOP No. 003-5869-00064, issued on 12/9/1996
* The more conservative uncontrolled PTE for PM_{10} is used in calculating the total PTE.

Appendix A: Emissions Calculations
Emission Summary

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Administrative Amendment: 003-32400-00064
Permit Reviewer: Deborah Cole

Limited Potential to Emit

	PM (tons/yr)	PM_{10} (tons/yr)	SO_2 (tons/yr)	VOC (tons/yr)	CO (tons/yr)	GHG (tons/yr)	NOx (tons/yr)	HAPs (tons/yr)
Emission Unit								
Evaporator**	0.00	0.00	0.00	24.00	0.00	0.00	0.00	0.00
8 Engine Test Cells	6.97	6.97	6.51	3.72	99.00	0.00	99.00	0.00
Reverb Fur. M1	0.04	0.28	0.00	0.44	0.00	5,417.59	0.00	0.00
Reverb Fur. M4	0.10	0.71	0.00	1.10	0.00		0.00	0.00
Reverb Fur. M5	0.03	0.23	0.00	0.35	0.00		0.00	0.00
7 Boilers	0.25	1.01	0.08	0.73	11.18	16,066.15	13.31	0.251
Combustion Units	0.11	0.43	0.03	0.31	4.73	6,791.43	5.63	0.106
Spray Booth SB-1	8.91	8.91	0.00	0.62	0.00	0.00	0.00	neg
Grinding and Machining	4.51	4.51	0.00	0.00	0.00	0.00	0.00	0.00
Total Emissions	20.92	23.04	6.62	31.26	114.90	28,275.18	117.93	Single HAP <10 Combined HAPs < 25

Note: ** Uncontrol and limited emissions is based on FESOP No. 003-5869-00064, issued on 12/9/1996

Appendix A: Emission Calculations
Internal Combustion Engine Testing
Reciprocating

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Administrative Amendment: 003-32400-00064
Permit Reviewer: Deborah Cole

Emissions calculated based on fuel usage

Maximum Diesel Fuel Usage Per Engine Test Cell (gal/yr) =	275,064.0
Limited Diesel Fuel Usage For All Engine Test Cells (gal/yr) =	327,814.6
Maximum Gasoline Fuel Usage Per Engine Test Cell (gal/yr) =	317,988.0
Limited Gasoline Fuel Usage For All Engine Test Cells (gal/yr) =	50,253.8

	Pollutant					
	PM*	PM_{10}*	SO2	NOx	VOC	CO
Diesel Combustion Emission Factor in lb/1000 gal	42.5	42.5	39.7	604.0	49.3	130.0
Gasoline Combustion Emission Factor in lb/1000 gal	6.47	6.2	5.31	102.0	148.0	3940.0
Diesel Combustion						
Engine Test Cell #1 Potential Emissions in tons/yr	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #2 Potential Emissions in tons/yr	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #3 Potential Emissions in tons/yr	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #4 Potential Emissions in tons/yr	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #5 Potential Emissions in tons/yr	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #6 Potential Emissions in tons/yr	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #7 Potential Emissions in tons/yr	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #8 Potential Emissions in tons/yr	5.85	5.85	5.46	83.07	6.78	17.88
Total Potential Emissions in tons/yr	**46.76**	**46.76**	**43.68**	**664.55**	**54.24**	**143.03**
Gasoline Combustion						
Engine Test Cell #1 Potential Emissions in tons/yr	1.03	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #2 Potential Emissions in tons/yr	1.03	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #3 Potential Emissions in tons/yr	1.03	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #4 Potential Emissions in tons/yr	1.03	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #5 Potential Emissions in tons/yr	1.03	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #6 Potential Emissions in tons/yr	1.03	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #7 Potential Emissions in tons/yr	1.03	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #8 Potential Emissions in tons/yr	1.03	0.99	0.84	16.22	23.53	626.44
Total Potential Emissions in tons/yr	**8.23**	**7.89**	**6.75**	**129.74**	**188.25**	**5,011.49**
Total Worst Case Potential Emissions in tons/yr	**46.76**	**46.76**	**43.68**	**664.55**	**188.25**	**5011.49**
Total Limited Emissions in tons/yr	**6.97**	**6.97**	**6.51**	**99.00**	**3.72**	**99.00**

Methodology

Potential Diesel Througput (gal/yr) = 31.4 gal/hr * 8760 hr/yr
Potential Gasoline Througput (gal/yr) = 36.3 gal/hr * 8760 hr/yr

Emission Factors are from FIRE version 6.23, SCC 2-04-004-01, 2-04-004-02, Engine Testing
Emission (tons/yr) = [Potential Throughput (gal/yr) / (1000 gal/kgal) x Emission Factor (lb/kgal)] / (2,000 lb/ton)
*PM emission factors are assumed to be equivalent to PM_{10} emission factors. All PM is assumed to be less than or equal to 1 micron.

Appendix A: Emission Calculations
Internal Combustion Engine Testing
Reciprocating

Source Name: Karl Schmidt Unisia, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Permit Reviewer: Joe Sachse
Date: 15-Oct-09

Fuel Usage Limitations based on NOx Emissions

Fuel Oil: Diesel

99.00	tons NOx/year limited	*	2200.51	Kgals	=	327.81	Kgals
664.55	tons NOx/year potential			year potential			year limited

Fuel Oil: Gasoline

99.00	tons NOx/year limited	*	2543.90	Kgals	=	1941.18	Kgals
129.74	tons NOx/year potential			year potential			year limited

Fuel Usage Limitations based on VOC Emissions

Fuel Oil: Gasoline

99.00	tons VOC/year limited	*	2543.90	Kgals	=	1337.84	Kgals
188.25	tons VOC/year potential			year potential			year limited

Fuel Usage Limitations based on CO Emissions

Fuel Oil: Diesel

99.00	tons CO/year limited	*	2200.51	Kgals	=	1523.08	Kgals
143.03	tons CO/year potential			year potential			year limited

Fuel Oil: Gasoline

99.00	tons CO/year limited	*	2543.90	Kgals	=	50.25	Kgals
5011.49	tons CO/year potential			year potential			year limited

Fuel equivalence limit for diesel based on CO emissions from gasoline

143.03	diesel potential emissions (ton/yr)	/	5011.49	gasoline potential emissions (ton/yr)
2200.51	diesel potential usage (kgal/yr)		2543.90	gasoline potential usage (kgal/yr)

= 0.0330 Kgal gasoline burned / Kgal diesel burned

Fuel equivalence limit for gasoline based on NOx emissions from diesel

129.74	gasoline potential emissions (ton/yr)	/	664.55	diesel potential emissions (ton/yr)
2543.90	gasoline potential usage (kgal/yr)		2200.51	diesel potential usage (kgal/yr)

= 0.1689 Kgal diesel burned / Kgal gasoline burned

Appendix A: Emission Calculations
Reverberatory Furnace M1

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Administrative Amendment: 003-32400-00064
Permit Reviewer: Deborah Cole

Process	Rate (tons/hr)	Pollutant	Ef (lb/ton)	Ebc (tons/yr)	Eac (tons/yr)	Type of Control	Control Efficiency (%)
Reverb Furnace MI	0.5	PM	0.019	0.04	0.04	none	none
		PM-10	0.13	0.28	0.28	none	none
		SO2	0.00	0.00	0.00		
		NOx	0.00	0.00	0.00		
		VOC	0.20	0.44	0.44		
		CO	0.00	0.00	0.00		

Methodology

Uncontrolled Emissions = Capacity (tons/hr)*Emission Factor (lb/ton)*8760hrs/yr *1ton/2000lb
Controlled Emissions = Uncontrolled Emissions*(1- Control Efficiency)
Emission Factor based on FIRE 6.23 SCC# 3-04-001-03
*** Note: PM and PM_{10} emission factors for reverberatory furnaces were based on approved stack test results from test performed in January 18, 2000 on Furnace #14.

Appendix A: Emission Calculations
Reverberatory Furnace M4

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Administrative Amendment: 003-32400-00064
Permit Reviewer: Deborah Cole

Process	Rate (tons/hr)	Pollutant	Ef (lb/ton)	Ebc (tons/yr)	Eac (tons/yr)	Type of Control	Control Efficiency (%)
Reverb Furnace M4	1.25	PM*	0.019	0.10	0.10	none	none
		PM-10*	0.13	0.71	0.71	none	none
		SO2	0.00	0.00	0.00		
		NOx	0.00	0.00	0.00		
		VOC	0.20	1.10	1.10		
		CO	0.00	0.00	0.00		

Methodology

Uncontrolled Emissions = Capacity (tons/hr)*Emission Factor (lb/ton)*8760hrs/yr *1ton/2000lb
Controlled Emissions = Uncontrolled Emissions*(1- Control Efficiency)
Emission Factor based on FIRE 6.23 SCC# 3-04-001-03
*** Note: PM and PM_{10} emission factors for reverberatory furnaces were based on approved stack test results from test performed in January 18, 2000 on Furnace #14.

Appendix A: Emission Calculations
Reverberatory Furnace M5

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Administrative Amendment: 003-32400-00064
Permit Reviewer: Deborah Cole

Process	Rate (tons/hr)	Pollutant	Ef (lb/ton)	Ebc (tons/yr)	Eac (tons/yr)	Type of Control	Control Efficiency (%)
Reverb Furnace M5	0.4	PM*	0.019	0.03	0.03	none	none
		PM-10*	0.13	0.23	0.23	none	none
		SO2	0.00	0.00	0.00		
		NOx	0.00	0.00	0.00		
		VOC	0.20	0.35	0.35		
		CO	0.00	0.00	0.00		

Methodology

Uncontrolled Emissions = Capacity (tons/hr)*Emission Factor (lb/ton)*8760hrs/yr *1ton/2000lb
Controlled Emissions = Uncontrolled Emissions*(1- Control Efficiency)
Emission Factor based on FIRE 6.23 SCC# 3-04-001-03
*** Note: PM and PM_{10} emission factors for reverberatory furnaces were based on approved stack test results from test performed in January 18, 2000 on Furnace #14.

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Greenhouse Gas Emissions

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Administrative Amendment 003-32400-00064
Permit Reviewer: Deborah Cole

Heat Input Capacity MMBtu/hr	HHV mmBtu / mmscf	Potential Throughput MMCF/yr
10.5	1020	89.7

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Potential Emission in tons/yr	5,385	0.1	0.1
Summed Potential Emissions in tons/yr	5,385.03		
CO2e Total in tons/yr	5,417.59		

Methodology
The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

updated 7/11

Appendix A: Emissions Calculations
Natural Gas Combustion Only - Boilers
MM BTU/HR <100

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Administrative Amendment 003-32400-00064
Permit Reviewer: Deborah Cole

Heat Input Capacity MMBtu/hr	HHV mmBtu/mmscf	Potential Throughput MMCF/yr
31.0	1020	266.1

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.25	1.01	1.01	0.08	13.31	0.73	11.18

*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 - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	0.0003	0.0002	0.0100	0.2395	0.0005

	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	0.0001	0.0001	0.0002	0.0001	0.0003

Methodology is the same as page 1.

TOTAL HAPs 0.251

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Potential Emission in tons/yr	15,969	0.3	0.3
Summed Potential Emissions in tons/yr	15,970		
CO2e Total in tons/yr	16,066		

Methodology
The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Administrative Amendment 003-32400-00064
Permit Reviewer: Deborah Cole

Heat Input Capacity MMBtu/hr	HHV mmBtu/mmscf	Potential Throughput MMCF/yr
13.1	1020	112.5

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.11	0.43	0.43	0.03	5.63	0.31	4.73

*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 - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	0.0001	0.0001	0.0042	0.1013	0.0002

	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	0.0000	0.0001	0.0001	0.0000	0.0001

Methodology is the same as page 1.

Total HAPs 0.11

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

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Potential Emission in tons/yr	6,750	0.1	0.1
Summed Potential Emissions in tons/yr	6,751		
CO2e Total in tons/yr	6,791		

Methodology
The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Administrative Amendment: 003-32400-00064
Permit Reviewer: Deborah Cole

Material	Density (Lb/Gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency
K-SOL-A	12.5	52.00%	52.0%	0.0%	78.0%	22.00%	0.02050	160.000	0.00	0.00	0.00	0.00	8.62	0.00	90%
KEMTEX	10.0	65.00%	65.0%	0.0%	78.0%	35.00%	0.00080	160.000	0.00	0.00	0.00	0.00	0.20	0.00	90%
SANDSTROM	11.0	40.00%	0.0%	40.0%	0.0%	50.00%	0.00004	800.000	4.40	4.40	0.14	0.62	0.09	8.80	90%

State Potential Emissions **Add worst case coating to all solvents** **0.14** **0.62** **8.91**

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)
Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)
Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)
Total = Worst Coating + Sum of all solvents used

Appendix A: Emissions Calculations
Insignificant Activities

c

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Administrative Amendment: 003-32400-00064
Permit Reviewer: Deborah Cole

Particulate Emissions (PM/PM_{10}) (tons/year)					
Emission Unit	Grain Loading (gr/dscf)	Air Flow Rate (scfm)	Controlled PM Emissions (tons/yr)	Uncontrolled PM Emissions (tons/yr)	Uncontrolled PM_{10} Emissions (tons/yr)
Grinding and machining operation	0.03	4000	4.51	29.78	2.98
		Total Emissions	4.51	29.78	2.98

Methodology

Controlled Emissions (tons/yr)= Grain Loading(gr/dscf) *Air Flow rate(scfm) *(60min/hr)* (lb/7000)*4.38 (tons hr/lb)
Uncontrolled Emissions (tons/yr) = emission factor (lb/ton) * max. cap. (lb/hr) * (ton/2000lb) * 4.38 (tons hr/lb)
Emission Factor for PM = 17 lb/ton and for PM_{10} = 1.7 lb/ton
Emission Factor based on FIRE 6.23 SCC# 3-04-003-40

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Brett Looze
KS Kolbenschmidt US, Inc.
1731 Industrial Parkway
Marinette, WI 54143

DATE: November 19, 2012

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

SUBJECT: Final Decision
Administrative Amendment
003-32400-00064

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:
Robert Turcott
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 11/30/07

Mail Code 61-53

IDEM Staff	GHOTOPP 11/19/2012 KS Kolbenschmidt US, Inc 003-32400-00064 final			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
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1		Brett Looze KS Kolbenschmidt US, Inc 1731 Industrial Parkway Marinette WI 54143 (Source CAATS) via confirmed delivery									
2		Robert Turcott KS Kolbenschmidt US, Inc 1731 Industrial Parkway Marinette WI 54143 *(RO CAATS)*									
3		Daniel & Sandy Trimmer 15021 Yellow River Road Columbia City IN 46725 *(Affected Party)*									
4		Duane & Deborah Clark Clark Farms 6973 E. 500 S. Columbia City IN 46725 *(Affected Party)*									
5		Fort Wayne City Council and Mayors Office 200 E Berry Street Ste 120 Fort Wayne IN 46802 *(Local Official)*									
6		Mr. John E. Hampton Plumbers & Steamfitters, Local 166 2930 W Ludwig Rd Fort Wayne IN 46818-1328 *(Affected Party)*									
7		Allen Co. Board of Commissioners 200 E Berry Street Ste 410 Fort Wayne IN 46802 *(Local Official)*									
8		Fort Wayne-Allen County Health Department 200 E Berry St Suite 360 Fort Wayne IN 46802 *(Health Department)*									
9											
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