



# 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](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: Dec. 16, 2009

RE: Coulter & Son, Inc. / 039-28675-00454

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

## Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures  
FNPER-MOD.dot 12/3/07



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Mr. Ron Green  
Coulter & Son, Inc.  
209 York Drive  
Middlebury, Indiana 46540

Dec. 16, 2009

Re: **039-28675-00454**  
Second Minor Revision to  
F039-23393-00454

Dear Mr. Green:

Coulter & Son, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) No. 039-23393-00454 on November 14, 2006, for a stationary plastic lid painting plant located at 209 York Drive, Middlebury, Indiana. On November 16, 2009, the Office of Air Quality (OAQ) received an application from the source requesting to add an additional spray coating line, identified as Line 3 and to remove Manual Spray Booth #1 from the permit. The attached Technical Support Document (TSD) provides additional explanation of the changes to the permit. Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Minor Permit Revision (MPR) procedures of 326 IAC 2-8-11.1(e). Pursuant to the provisions of 326 IAC 2-8-11.1, a minor permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions  
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit  
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the minor permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

Coulter & Son, Inc.  
Middlebury, Indiana  
Permit Reviewer: Janet Mobley

Page 2 of 2  
FESOP MPR No. 039-28675-00454

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 Janet Mobley, of my staff, at 317-234-5373 or 1-800-451-6027, and ask for extension 4-5373.

Sincerely,



Iryn Calilung, Section Chief  
Permits Branch  
Office of Air Quality

IC/jm

Attachments: Technical Support Document and revised permit

cc: File - Elkhart County  
Elkhart County Health Department  
U.S. EPA, Region V  
Compliance and Enforcement Branch  
Billing, Licensing and Training Section



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## Federally Enforceable State Operating Permit OFFICE OF AIR QUALITY

**Coulter and Son, Inc.**  
**209 York Drive**  
**Middlebury, Indiana 46540**

(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.

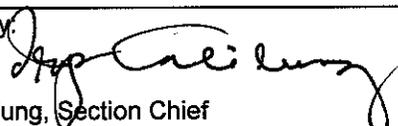
**The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the Permittee in 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.**

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

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 2-8as 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.: F 039-23393-00454	
Original signed by: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: November 14, 2006  Expiration Date: November 14, 2011

Minor Permit Revision No.: 039-25012-00454, issued August 17, 2007  
First Administrative Amendment No.: 039-27228-00454, issued January 23, 2009

Second Minor Permit Revision No.: 039-28675-00454	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: Dec. 16, 2009  Expiration Date: November 14, 2011

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## SECTION A

## SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 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 2-8-3(b)]

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The Permittee owns and operates a plastic lid painting source.

Source Address: 209 York Drive, Middlebury, Indiana 46540  
Mailing Address: 209 York Drive, Middlebury, Indiana 46540  
General Source Phone Number: 574- 825-7891  
SIC Code: 3079  
County Location: Elkhart  
Source Location Status: Nonattainment for 8 hour ozone standard  
Attainment for all other criteria pollutants  
Source Status: Federally Enforceable State Operating Permit Program  
Minor Source, under PSD and Emission Offset Rules  
Minor Source, Section 112 of the Clean Air Act  
Not 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

- (a) Unit removed from source in 2009.
- (b) One (1) spray coating booth, identified as Manual Spray Booth 2, approved for construction in 2007, with a maximum capacity of 650 plastic spray can caps per hour, equipped with HVLP spray applicators, using dry filters for overspray control, and exhausting to stacks S1 and S3.
- (c) One (1) spray coating line, identified as Line 1, constructed in 1998, equipped with two (2) high volume, low pressure (HVLP) spray applicators and dry filters for overspray control, exhausting to Stacks S2a, S2b and S2c, capacity: 3,060 plastic spray can caps per hour.
- (d) One (1) spray coating line, identified as Line 2, constructed in 2003, equipped with four (4) HVLP spray applicators and dry filters for overspray control, exhausting to Stacks S5a, S5b and S5c, capacity: 6,120 plastic spray can caps or plastic parts per hour.
- (e) One (1) spray coating line, identified as Line 3, approved for construction in 2009, equipped with seven (7) HVLP spray applicators and dry filters for overspray control, exhausting to Stacks S9a - S9h, capacity: 24,480 plastic spray can caps per hour.

### A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

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

Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour, including: One (1) natural gas-fired burn off oven, rated at 0.525 million British thermal units per hour. [326 IAC 4-2-2] [326 IAC 9-1-2]

### A.4 FESOP Applicability [326 IAC 2-8-2]

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This stationary source, otherwise required to have a Part 70 Permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

## **SECTION B GENERAL CONDITIONS**

### **B.1 Definitions [326 IAC 2-8-1]**

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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 2-8-4(2)] [326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]**

- (a) This permit, F 039-23393-00454, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

---

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

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

### **B.4 Enforceability [326 IAC 2-8-6]**

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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 2-8-4(4)]**

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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 2-8-4(5)(D)]**

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

### **B.7 Duty to Provide Information [326 IAC 2-8-4(5)(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1). 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 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]**

- (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 an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) an "authorized individual" is defined at 326 IAC 2-1.1-1(1).

**B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]**

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- (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. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

- (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 2-8-4(3); and
  - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]**

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IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

**B.11 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]**

---

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, 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 the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

#### B.12 Emergency Provisions [326 IAC 2-8-12]

- (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 except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
  - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
  - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ and Northern Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

Northern Regional Office phone: (574) 245-4870; fax: (574) 245-4877

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

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

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 2-8-4(3)(C)(ii) and must contain the following:

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

The notification which shall be submitted by the Permittee does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (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 2-8-3(c)(6) 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 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
- (1) 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.
  - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
    - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

- (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

- (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 an "authorized individual" need only referenced by the date of the original report.

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

- (a) All terms and conditions of permits established prior to 039-23393-00454 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.14 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

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 2-8-3(h) and 326 IAC 2-8-9.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State 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 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (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 2-8-8(a)]
- (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 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(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 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (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 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least 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 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) 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 approval required by 326 IAC 2-8-11.1 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 2-8-15(b) through (d). 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 2-8-15(b)(2), (c)(1), and (d).

- (b) Emission Trades [326 IAC 2-8-15(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 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(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 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) 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.20 Source Modification Requirement [326 IAC 2-8-11.1]

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

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-17-3-2] [IC13-30-3-1]

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

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

B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality

100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][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) 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.24 Credible Evidence [326 IAC 2-8-4(3)] [326 IAC 2-8-5] [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 2-8-4(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 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-3 (Emission Offset) not applicable;
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred and fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

#### C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

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

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

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

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

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

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

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

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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- (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 by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

### **Testing Requirements [326 IAC 2-8-4(3)]**

#### **C.9 Performance Testing [326 IAC 3-6]**

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- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

## **Compliance Requirements [326 IAC 2-1.1-11]**

### **C.10 Compliance Requirements [326 IAC 2-1.1-11]**

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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 2-8-4] [326 IAC 2-8-5(a)(1)]**

### **C.11 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]**

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

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

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

The notification which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

### **C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]**

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

### **C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]**

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- (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 2-8-4] [326 IAC 2-8-5(a)(1)]**

### **C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]**

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

C.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

- (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.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
  - (1) initial inspection and evaluation
  - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
  - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records;
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
  - (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]

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

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

### **Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]**

#### **C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]**

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- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

#### **C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]**

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- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

### **Stratospheric Ozone Protection**

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

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

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

## SECTION D.1 FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)]: Surface Coating Operations

- (a) Unit removed from source in 2009.
- (b) One (1) spray coating booth, identified as Manual Spray Booth 2, approved for construction in 2007, with a maximum capacity of 650 plastic spray can caps per hour, equipped with HVLP spray applicators, using dry filters for overspray control, and exhausting to stacks S1 and S3.
- (c) One (1) spray coating line, identified as Line 1, constructed in 1998, equipped with two (2) high volume, low pressure (HVLP) spray applicators and dry filters for overspray control, exhausting to Stacks S2a, S2b and S2c, capacity: 3,060 plastic spray can caps per hour.
- (d) One (1) spray coating line, identified as Line 2, constructed in 2003, equipped with four (4) HVLP spray applicators and dry filters for overspray control, exhausting to Stacks S5a, S5b and S5c, capacity: 6,120 plastic spray can caps or plastic parts per hour.
- (e) One (1) spray coating line, identified as Line 3, approved for construction in 2009, equipped with seven (7) HVLP spray applicators and dry filters for overspray control, exhausting to Stacks S9a - S9h, capacity: 24,4480 plastic spray can caps per hour.

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

### Emission Limitations and Standards [326 IAC 2-8-4(1)]

#### D.1.1 Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4]

- (a) The use of any single HAP at the one (1) spray coating booth, identified as Manual Spray Booth 2, the one (1) spray coating line, identified as Line 1, the one (1) spray coating line, identified as Line 2, and the one (1) spray coating line, identified as Line 3, including coatings, dilution solvents, and cleaning solvents, shall be limited to less than a total of 9.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This usage limit is required to limit the potential to emit of any single HAP from this source to less than ten (10) tons per year.
- (b) The use of all HAPs at the one (1) spray coating booth, identified as Manual Spray Booth 2, the one (1) spray coating line, identified as Line 1, the one (1) spray coating line, identified as Line 2, and the one (1) spray coating line, identified as Line 3, including coatings, dilution solvents, and cleaning solvents, shall be limited to less than a total of 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This usage limit is required to limit the potential to emit of all HAPs from this source to less than twenty-five (25) tons per year.

Compliance with these limits, and the limits in Condition D.1.2, shall render the requirements of 326 IAC 2-7 (Part 70) not applicable.

#### D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-1-6][326 IAC 2-8-4]

- (a) The VOC usage at the one (1) spray coating line, identified as Line 1, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.
- (b) The VOC usage at the one (1) spray coating line, identified as Line 2, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

- (c) The VOC usage at the one (1) spray coating line, identified as Line 3, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

Compliance with these limits, and the limits in Condition D.1.1, shall render the requirements of 326 IAC 2-7 (Part 70) not applicable.

**D.1.3 Particulate [326 IAC 6-3-2(d)]**

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Pursuant to 326 IAC 6-3-2(d), particulate from the one (1) spray coating booth, identified as Manual Spray Booth 2, the one (1) spray coating line, identified as Line 1, the one (1) spray coating line, identified as Line 2, and the one (1) spray coating line, identified as Line 3, shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

**D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]**

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

**Compliance Determination Requirements**

**D.1.5 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) [326 IAC 8-1-4] [326 IAC 8-1-2(a)]**

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Compliance with the VOC and HAP usage limitations contained in Conditions D.1.1 and D.1.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

**Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]**

**D.1.6 Monitoring**

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- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks (Stacks S1, S2a, S2b, S2c, S3, S5a, S5b and S5c) while one or more of the booths are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

**Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]**

**D.1.7 Record Keeping Requirements**

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- (a) To document compliance with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the HAP usage limits established in Condition D.1.1. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

- (1) The individual and total HAP content of each coating material and solvent used.

- (2) The amount of coating material and solvent less water used on monthly basis.
    - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
    - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
  - (3) The cleanup solvent usage for each month; and
  - (4) The total individual HAP and total HAP usage for each month.
- (b) To document compliance with Condition D.1.2, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits established in Condition D.1.2. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (1) The VOC content of each coating material and solvent used.
  - (2) The amount of coating material and solvent less water used on monthly basis.
    - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
    - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
  - (3) The cleanup solvent usage for each month; and
  - (4) The total VOC usage for each month.
- (c) To document compliance with Condition D.1.6, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### D.1.8 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

## SECTION D.2

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour, including: One (1) natural gas-fired burn off oven, rated at 0.525 million British thermal units per hour, capacity: 60 pounds of solid waste per hour. [326 IAC 4-2-2] [326 IAC 9-1-2]

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

### Emission Limitations and Standards [326 IAC 2-8-4(1)]

#### D.2.1 Incinerators [326 IAC 4-2-2]

- (a) Pursuant to 326 IAC 4-2-2(a), the one (1) natural gas-fired burn off oven, which serves as an incinerator, shall:
- (1) consist of primary and secondary chambers or the equivalent;
  - (2) be equipped with a primary burner unless burning only wood products;
  - (3) comply with the requirements of 326 IAC 5-1 and 326 IAC 2;
  - (4) be maintained, operated, and burn waste in accordance with the manufacturer's specifications or an operation and maintenance plan as specified in section (b) of this condition;
  - (5) not emit particulate matter in excess of five-tenths (0.5) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air; and
  - (6) not be charged if any of the requirements of subdivisions (a)(1) through (a)(5) of this condition are not met, until adjustments are made that address the underlying cause of the deviation.
- (b) A Permittee developing an operation and maintenance plan pursuant to section (a)(4) of this condition must comply with the following:
- (1) The operation and maintenance plan must be designed to meet the particulate matter emission limitation specified in section (a)(5) of this condition and include the following:
    - (A) procedures for receiving, handling, and charging waste.
    - (B) procedures for the burn off oven startup and shutdown.
    - (C) procedures for responding to a malfunction.
    - (D) procedures for maintaining proper combustion air supply levels.
    - (E) procedures for operating the burn off oven and its associated air pollution control system(s).
    - (F) procedures for handling ash.
    - (G) a list of wastes that can be burned in the burn off oven.

- (2) Each burn off oven operator shall review the plan before initial implementation of the operation and maintenance plan and annually thereafter.
  - (3) The operation and maintenance plan must be readily accessible to the burn off oven operators.
  - (4) The Permittee shall notify the department, in writing, thirty (30) days after the operation and maintenance plan is initially developed pursuant to this section.
- (c) The Permittee must make the manufacturer's specifications or the operation and maintenance plan available to the department upon request.

D.2.2 Carbon Monoxide Emission Limits [326 IAC 9-1-2]

Pursuant to 326 IAC 9-1-2(a)(3), the Permittee shall not operate the one (1) natural gas-fired burn off oven unless the waste gas stream is burned in one (1) of the following:

- (a) a direct-flame afterburner; or
- (b) a secondary chamber.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
CERTIFICATION**

Source Name: Coulter and Son, Inc.  
Source Address: 209 York Drive, Middlebury, Indiana 46540  
Mailing Address: 209 York Drive, Middlebury, Indiana 46540  
FESOP No.: 039-23393-00454

**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:

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**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
EMERGENCY OCCURRENCE REPORT**

Source Name: Coulter and Son, Inc.  
Source Address: 209 York Drive, Middlebury, Indiana 46540  
Mailing Address: 209 York Drive, Middlebury, Indiana 46540  
FESOP No.: 039-23393-00454

**This form consists of 2 pages**

**Page 1 of 2**

- |   |
|---|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none"><li>• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and</li><li>• 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</li></ul> |
|---|

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

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

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

**Page 2 of 2**

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

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

A certification is not required for this report.

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

**FESOP Quarterly Report**

Source Name: Coulter and Son, Inc.  
Source Address: 209 York Drive, Middlebury, Indiana 46540  
Mailing Address: 209 York Drive, Middlebury, Indiana 46540  
FESOP No.: 039-23393-00454  
Facilities: Manual Spray Booth 2, Line 1, Line 2 and Line 3  
Parameter: Worst case single HAP usage  
Limit: Less than a total of 9.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: \_\_\_\_\_

Month	Single HAP Usage (tons)	Single HAP Usage (tons)	Single HAP Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.  
Deviation has been reported on \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

**FESOP Quarterly Report**

Source Name: Coulter and Son, Inc.  
Source Address: 209 York Drive, Middlebury, Indiana 46540  
Mailing Address: 209 York Drive, Middlebury, Indiana 46540  
FESOP No.: 039-23393-00454  
Facilities: Manual Spray Booth 2, Line 1, Line 2 and Line 3  
Parameter: Total HAP usage  
Limit: Less than a total of 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: \_\_\_\_\_

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

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.  
Deviation has been reported on \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

**FESOP Quarterly Report**

Source Name: Coulter and Son, Inc.  
Source Address: 209 York Drive, Middlebury, Indiana 46540  
Mailing Address: 209 York Drive, Middlebury, Indiana 46540  
FESOP No.: 039-23393-00454  
Facility: Line 1  
Parameter: VOC usage  
Limit: Less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

**FESOP Quarterly Report**

Source Name: Coulter and Son, Inc.  
Source Address: 209 York Drive, Middlebury, Indiana 46540  
Mailing Address: 209 York Drive, Middlebury, Indiana 46540  
FESOP No.: 039-23393-00454  
Facility: Line 2  
Parameter: VOC usage  
Limit: Less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

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

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.  
Deviation has been reported on \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

**FESOP Quarterly Report**

Source Name: Coulter and Son, Inc.  
Source Address: 209 York Drive, Middlebury, Indiana 46540  
Mailing Address: 209 York Drive, Middlebury, Indiana 46540  
FESOP No.: 039-23393-00454  
Facility: Line 3  
Parameter: VOC usage  
Limit: Less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

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

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.  
Deviation has been reported on \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Coulter and Son, Inc.  
Source Address: 209 York Drive, Middlebury, Indiana 46540  
Mailing Address: 209 York Drive, Middlebury, Indiana 46540  
FESOP No.: 039-23393-00454

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

Page 1 of 2

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

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

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

## Indiana Department of Environmental Management Office of Air Quality

### Technical Support Document (TSD) for a Minor Permit Revision to a Federally Enforceable State Operating Permit (FESOP)

#### Source Description and Location

<b>Source Name:</b>	<b>Coulter &amp; Son, Inc.</b>
<b>Source Location:</b>	<b>209 York Drive, Middlebury, Indiana 46540</b>
<b>County:</b>	<b>Elkhart</b>
<b>SIC Code:</b>	<b>3079</b>
<b>Operation Permit No.:</b>	<b>F039-23393-00454</b>
<b>Operation Permit Issuance Date:</b>	<b>November 14, 2006</b>
<b>Minor Permit Revision No.:</b>	<b>039-28675-00454</b>
<b>Permit Reviewer:</b>	<b>Janet Mobley</b>

On November 16, 2009, the Office of Air Quality (OAQ) received an application from Coulter & Son, Inc. related to a modification to an existing plastic lid painting plant.

#### Existing Approvals

The source was issued FESOP No. 039-23393-00454 on November 14, 2006. The source has since received the following approvals:

- (a) Minor Permit Revision No. 039-23603-00454, issued on August 17, 2007; and
- (b) Administrative Amendment No. 039-27228-00454, issued on January 23, 2009.

#### County Attainment Status

The source is located in Elkhart County.

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Attainment effective July 19, 2007, for the 8-hour ozone standard. <sup>1</sup>
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Not designated.
<sup>1</sup> Attainment effective October 18, 2000, for the 1-hour ozone standard for the South Bend-Elkhart area, including Elkhart County, and is a maintenance area for the 1-hour National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM <sub>2.5</sub> .	

- (a) **Ozone Standards**  
Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. Elkhart County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) **PM2.5**  
 Elkhart County has been classified as attainment for PM2.5. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM2.5 emissions, and the effective date of these rules was July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM10 emissions as a surrogate for PM2.5 emissions until 326 IAC 2-2 is revised.
- (c) **Other Criteria Pollutants**  
 Elkhart County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

**Fugitive Emissions**

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

**Status of the Existing Source**

The table below summarizes the potential to emit of the entire source, prior to the proposed revision, after consideration of all enforceable limits established in the effective permits:

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)						
	PM	PM10	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	HAPs
Manual Spray Booth	4.60	4.60	0.00	0.00	15.5	0.00	Single less than 9.9 Total less than 24.9
Manual Spray Booth 2	2.39	2.39	0.00	0.00	17.6	0.00	
Spray Coating Line, Line 1	18.4	18.4	0.00	0.00	<25.00	0.00	
Spray Coating Line, Line 2	37.0	37.0	0.00	0.00	<25.00	0.00	
Natural gas-fired burn off oven (Insignificant Activity)	0.10	0.15	0.01	1.10	0.06	0.92	
Other Insignificant Activities	0.004	0.015	0.001	0.195	0.011	0.16 4	
<b>Total PTE of Entire Source</b>	<b>62.5</b>	<b>62.6</b>	<b>0.01</b>	<b>1.3</b>	<b>&lt;84.2</b>	<b>1.1</b>	<b>Less than 9.9 single; Less than 24.9 total</b>
Title V Major Source Thresholds	NA	100	100	100	100	100	25
PSD Major Source Thresholds	250	250	250	250	250	250	NA
negl. = negligible These emissions are based upon the TSD for MPR 039-25012-00454.							

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

- (b) This existing source is not a major stationary source under Emission Offset (326 IAC 2-3), because the potential to emit NO<sub>x</sub> and VOC are less than 100 tons per year.
- (c) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the source has accepted limits on HAPs emissions to less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

**Description of Proposed Revision**

The Office of Air Quality (OAQ) has reviewed a revision application, submitted by Coulter & Son, Inc. on November 16, 2009, relating to the addition of an additional spray coating line, identified as Line 3 for painting plastic spray can caps. The Permittee also proposes to remove from the permit the Manual Spray Booth 1 that no longer exists since Manual Spray Booth 2 became operational. The following is a list of the proposed emission unit and its pollution control device:

One (1) spray coating line, identified as Line 3, approved for construction in 2009, equipped with four (4) HVLP spray applicators and dry filters for overspray control, exhausting to Stacks S5a, S5b and S5c, capacity: 24,480 plastic spray can caps per hour.

**Enforcement Issues**

There are no pending enforcement actions related to this revision.

**Emission Calculations**

See Appendix A of this TSD for detailed emission calculations.

According to the TSD for Renewal 039-23393-0045, issued on November 14, 2006, for this source that in MPM 039-19742-00454, issued on January 3, 2005, it stated that according to manufacturer stack test data for the burn off oven, the PM, PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub>, VOC, and CO emissions are estimated to be 0.10, 0.15, 0.01, 1.10, 0.06, and 0.92 tons per year, respectively, and the HAPs emissions are negligible. There is not a calculation page included in Appendix A for the burn off oven, but is included on the summary.

**Permit Level Determination – FESOP Revision**

The following table is used to determine the appropriate permit level under 326 IAC 2-8.11.1. This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)							
	PM	PM10*	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Worst Single HAP
<b>Spray Coating Line, Line 3</b>	<b>147.9</b>	<b>147.9</b>	<b>147.9</b>	<b>0.00</b>	<b>0.00</b>	<b>192.5</b>	<b>0.00</b>	<b>99.91 xylene</b>
Total PTE of Proposed Revision						<b>&lt;25.00**</b>		

\* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".  
 \*\* VOC emissions are limited to less than 25 tons per year to render 326 IAC 8-1-6 not applicable.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)								Total HAPs	Worst Single HAP
	PM	PM10*	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO			
Manual Spray Booth	4.60	4.60	4.60	0.00	0.00	15.5	0.00			
Manual Spray Booth 2	2.39	2.39	2.39	0.00	0.00	17.6	0.00	1.69	0.84 (toluene)	
Spray Coating Line, Line 1	18.4	18.4	18.4	0.00	0.00	25.00	0.00	Single less than 9.9; Total less than 24.9		
Spray Coating Line, Line 2	37.0	37.0	37.0	0.00	0.00	25.00	0.00			
Natural gas-fired burn off oven (Insignificant Activity)	0.10	0.15	0.15	0.01	1.10	0.06	0.92	negl.		
Other Insignificant Activities	0.004	0.015	0.015	0.001	0.195	0.011	0.164	0.004		
<b>Spray Coating Line, Line 3</b>	<b>1.47</b>	<b>1.47</b>	<b>1.47</b>	<b>0.00</b>	<b>0.00</b>	<b>&lt;25.00</b>	<b>0.00</b>	Single less than 9.9; Total less than 24.9		
Total PTE	59.36	59.43	59.43	0.01	1.30	92.67	0.33	Single less than 10; Total less than 25		
* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".										

This FESOP is being revised through a FESOP Minor Permit revision pursuant to 326 IAC 2-8-11.1(d)(7), because this modification's volatile organic compound (VOC) potential to emit (PTE) are greater than 25 tons per year, however, the Permittee requested a limit in VOC throughput in order to restrict the VOC below 25 tons per year to avoid the applicability of 326 IAC 8-1-6, a minor permit revision is applicable.

**PTE of the Entire Source After Issuance of the FESOP Revision**

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this FESOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)								
	PM	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs	Worst Single HAP
Manual Spray Booth 2	2.39	2.39	2.39	0.00	0.00	17.60	0.00	1.69	0.84 (toluene)
Spray Coating Line, Line 1	18.40	18.40	18.40	0.00	0.00	<25.00*	0.00	Single less than 9.9; Total less than 24.9	
Spray Coating Line, Line 2	37.00	37.00	37.00	0.00	0.00	<25.00*	0.00		
Spray Coating Line, Line 3	1.47	1.47	1.47	0.00	0.00	<25.00*	0.00		
Natural gas-fired burn off oven (Insignificant Activity)	0.10	0.15	0.15	0.01	1.10	0.06	0.92	Negl.	
Other Insignificant Activities	0.004	0.015	0.015	0.001	0.195	0.011	0.164	0.004	
<b>Total PTE of Entire Source</b>	<b>59.36</b>	<b>59.43</b>	<b>59.43</b>	<b>0.01</b>	<b>1.30</b>	<b>&lt; 92.67</b>	<b>0.33</b>	Single less than 10; Total less than 25	
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	NA	NA
negl. = negligible									
* VOC is limited such that 326 IAC 8-1-6 does not apply.									

- (a) This modification to an existing minor stationary source will not change the minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2- 2, the PSD requirements do not apply.
- (b) This modification to an existing minor stationary source is not major because the emissions increase is less than the Emission Offset major source threshold levels. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply.

**FESOP Status**

This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP).

Emissions of VOC must be limited to less than 100 tons per year, and emissions of a single HAP and a combination of HAPs must be limited to less than 10 tons per year and 25 tons per year. In order to comply with the requirements of 326 IAC 2-8-4 (FESOP), the source shall comply with the following:

- (a) The use of any single HAP at the one (1) spray coating booth, identified as Manual Spray Booth 2, the one (1) spray coating line, identified as Line 1, the one (1) spray coating line, identified as Line 2, and the one (1) spray coating line, identified as Line 3, including coatings, dilution solvents, and cleaning solvents, shall be limited to less than a total of 9.9 tons per twelve (12) consecutive month period, with compliance determined at the end

of each month. This usage limit is required to limit the potential to emit of any single HAP from this source to less than ten (10) tons per year.

- (b) The use of all HAPs at the one (1) spray coating booth, identified as Manual Spray Booth 2, the one (1) spray coating line, identified as Line 1, the one (1) spray coating line, identified as Line 2, and the one (1) spray coating line, identified as Line 3, including coatings, dilution solvents, and cleaning solvents, shall be limited to less than a total of 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This usage limit is required to limit the potential to emit of all HAPs from this source to less than twenty-five (25) tons per year.
- (c) The VOC usage at the one (1) spray coating line, identified as Line 1, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable. This is an existing requirement.
- (d) The VOC usage at the one (1) spray coating line, identified as Line 2, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable. This is an existing requirement.
- (e) The VOC usage at the one (1) spray coating line, identified as Line 3, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

Compliance with these limits, shall render the requirements of 326 IAC 2-7 (Part 70) not applicable.

#### **Federal Rule Applicability Determination**

##### New Source Performance Standards (NSPS)

There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this proposed revision.

##### National Emission Standards for Hazardous Air Pollutants (NESHAP)

There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included for this proposed revision.

The requirements of 40 CFR 63.4480, Subpart PPPP, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products, are not included in this proposed revision because the source is not a major source of HAPs as defined in 40 CFR 63.2. The Permittee has accepted federally enforceable limitations on HAP emissions to limit this source to less than major source levels under 40 CFR 63.2, the requirements of 40 CFR 63, Subpart PPPP do not apply.

##### Compliance Assurance Monitoring (CAM)

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

#### **State Rule Applicability Determination**

The following state rules are applicable to the proposed revision:

- (a) 326 IAC 2-8-4 (FESOP)

This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP). See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

- (b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))  
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.
- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))  
The unlimited potential to emit of HAPs from the new unit is greater than ten (10) tons per year for any single HAP and/or greater than twenty-five (25) tons per year of a combination of HAPs. However, the source shall limit the potential to emit of HAPs from the new unit to less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, the proposed revision is not subject to the requirements of 326 IAC 2-4.1. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.
- (d) 326 IAC 2-6 (Emission Reporting)  
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (e) 326 IAC 5-1 (Opacity Limitations)  
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
- (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
  - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (f) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)  
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.
- (g) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)  
The unlimited VOC potential emissions from the new unit is greater than twenty-five (25) tons per year. However, the source shall limit the VOC potential emissions from the new unit to less than twenty-five (25) tons per year. Therefore, the proposed revision is not subject to the requirements of 326 IAC 8-1-6.

In order to render the requirements of 326 IAC 8-1-6 not applicable, the unit shall be limited as follows:

- (1) The VOC usage at the one (1) spray coating line, identified as Line 3, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits shall limit the potential to emit VOC from the unit to less than twenty-five (25) tons per 12 consecutive month period and shall render 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities) not applicable.

- (h) There are no other 326 IAC 8 Rules that are applicable to the unit.

#### Compliance Determination, Monitoring and Testing Requirements

The existing compliance requirements will not change as a result of this revision. The source shall continue to comply with the previous applicable requirements and permit conditions.

#### Proposed Changes

- (a) The following changes listed below are due to the proposed revision. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

#### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

- (a) ~~One (1) spray coating booth, identified as Manual Spray Booth, constructed in 1994, equipped with HVLP spray applicators and dry filters for overspray control, exhausting to Stacks S1 and S3, capacity: 650 plastic spray can caps per hour. Unit removed from source in 2009.~~  
...
- (e) **One (1) spray coating line, identified as Line 3, approved for construction in 2009, equipped with four (4) HVLP spray applicators and dry filters for overspray control, exhausting to Stacks S5a, S5b and S5c, capacity: 24,480 plastic spray can caps per hour.**

#### SECTION D.1 FACILITY OPERATION CONDITIONS

##### Facility Description [326 IAC 2-8-4(10)]: Surface Coating Operations

- (a) ~~One (1) spray coating booth, identified as Manual Spray Booth, constructed in 1994, equipped with HVLP spray applicators and dry filters for overspray control, exhausting to Stacks S1 and S3, capacity: 650 plastic spray can caps per hour. Unit removed from source in 2009.~~  
...
- (e) **One (1) spray coating line, identified as Line 3, approved for construction in 2009, equipped with seven (7) HVLP spray applicators and dry filters for overspray control, exhausting to Stacks S9a - S9h, capacity: 24,4480 plastic spray can caps per hour.**

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

#### D.1.1 Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4]

- (a) The use of any single HAP at the ~~two (2) spray coating booths, identified as Manual Spray Booth and Manual Spray Booth 2, the one (1) spray coating line, identified as Line 1, and the one (1) spray coating line, identified as Line 2,~~ **and the one (1) spray coating line, identified as Line 3,** including coatings, dilution solvents, and cleaning solvents, shall be limited to less than a total of 9.9 tons per twelve (12) consecutive month period, with

compliance determined at the end of each month. This usage limit is required to limit the potential to emit of any single HAP from this source to less than ten (10) tons per year.

- (b) The use of all HAPs at the ~~two (2)~~ spray coating booths, identified as ~~Manual Spray Booth~~ and Manual Spray Booth 2, the one (1) spray coating line, identified as Line 1, and the one (1) spray coating line, identified as Line 2, **and the one (1) spray coating line, identified as Line 3**, including coatings, dilution solvents, and cleaning solvents, shall be limited to less than a total of 24.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This usage limit is required to limit the potential to emit of all HAPs from this source to less than twenty-five (25) tons per year.

Compliance with these limits, and the limits in Condition D.1.2, shall render the requirements of 326 IAC 2-7 (Part 70) not applicable.

D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-1-6][326 IAC 2-8-4]

- (a) The VOC usage at the one (1) spray coating line, identified as Line 1, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.
- (b) The VOC usage at the one (1) spray coating line, identified as Line 2, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.
- (c) **The VOC usage at the one (1) spray coating line, identified as Line 3, shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.**

Compliance with these limits, and the limits in Condition D.1.1, shall render the requirements of 326 IAC 2-7 (Part 70) not applicable.

D.1.3 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the one (1) spray coating booth, identified as Manual Spray Booth 2, the one (1) spray coating line, identified as Line 1, and the one (1) spray coating line, identified as Line 2, **and the one (1) spray coating line, identified as Line 3**, shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

The following reporting form was added to the permit for Line 3 and the other reporting forms were revised to delete wording for the Manual Spray Booth that was removed from the source and to add Line 3 to reporting forms but the forms are not replicated here:

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

**FESOP Quarterly Report**

**Source Name:** Coulter and Son, Inc.  
**Source Address:** 209 York Drive, Middlebury, Indiana 46540  
**Mailing Address:** 209 York Drive, Middlebury, Indiana 46540  
**FESOP No.:** 039-23393-00454  
**Facility:** Line 3  
**Parameter:** VOC usage  
**Limit:** Less than twenty-five (25) tons per twelve (12) consecutive month period, with compliance determined at the end of each month

**YEAR:** \_\_\_\_\_

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

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.  
Deviation has been reported on \_\_\_\_\_

**Submitted by:** \_\_\_\_\_

**Title/Position:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

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

- (b) Upon further review, IDEM, OAQ has decided to make the following changes to the permit. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:
- Several of IDEM's branches and sections have been renamed. Therefore, IDEM has updated the addresses listed in the permit. References to "Permit Administration and Development Section" and the "Permits Branch" have been changed to "Permit Administration and Support Section". References to "Asbestos Section", "Compliance Data Section", "Air Compliance Section", and "Compliance Branch" have been changed to "Compliance and Enforcement Branch". The permit has been revised as follows:  
  
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  
  
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
  - IDEM, OAQ is revising Section B - Emergency Provisions to allow the Permittee to reference a previously reported emergency under paragraph (b)(5) in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Emergency Provisions [326 IAC 2-8-12]

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....

- (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 an "authorized individual" need only referenced by the date of the original report.**
- IDEM has decided to reference 326 IAC 2 in Section B-Source Modification Requirements, rather than specific construction rule.

B.20 Source Modification Requirement [326 IAC 2-8-11.1]

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A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2-~~and~~ 326 IAC 2-8-11.1.

<b>Conclusion and Recommendation</b>
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Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on November 16, 2009.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Minor Permit Revision No. 039-28675-00454. The staff recommends to the Commissioner that this FESOP Minor Permit Revision be approved.

<b>IDEM Contact</b>
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- (a) Questions regarding this proposed permit can be directed to Janet Mobley at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate

Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5373 or toll free at 1-800-451-6027 extension 4-5373.

- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: [www.idem.in.gov](http://www.idem.in.gov)

Appendix A: Emission Calculations  
Summary

Company Name: **Coulter & Sons, Inc.**  
 Address: **209 York Drive, Middlebury, Indiana 46540**  
 Permit No.: **039-28675-00454**  
 Reviewer: **Janet Mobley**

**UNLIMITED POTENTIAL TO EMIT IN TONS PER YEAR**

Emission Unit	PM	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs	Single Worst Case HAPs
Manual Spray Booth #2	2.39	2.39	2.19	0.00	0.00	17.6	0.00	1.69	Toluene 0.84
Spray coating Line 1	18.40	18.40	18.40	0.00	0.00	64.00	0.00	32.25	Toluene 25.3
Spray coating Line 2	37.00	37.00	37.00	0.00	0.00	48.10	0.00	32.74	Xylene 24.98
Spray coating Line 3	147.9	147.9	147.9	0.00	0.00	192.50	0.00	130.93	Xylene 99.91
Natural gas-fired burn off oven (insignificant activity)*	0.10	0.15	0.15	0.01	1.10	0.01	0.16	Negligible	
Other Insignificant Activities	0.00	0.02	0.02	0.00	0.20	0.01	0.16	0.004	
<b>TOTAL PTE</b>	205.79	205.86	205.66	0.01	1.30	322.22	0.33	Single Less than 10 and Total less than 25	

\* See note in the TSD - Emission Calculations Section regarding the source of these numbers.

**LIMITED POTENTIAL TO EMIT IN TONS PER YEAR**

Emission Unit	PM	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs
Manual Spray Booth #2	2.39	2.39	2.39	0.00	0.00	17.6	0.00	Single Less than 10 and Total less than 25
Spray coating Line 1	18.40	18.40	18.40	0.00	0.00	Less than 25.0	0.00	
Spray coating Line 2	37.00	37.00	37.00	0.00	0.00	Less than 25.0	0.00	
<b>Spray coating Line 3</b>	<b>1.47</b>	<b>1.47</b>	<b>1.47</b>	<b>0.00</b>	<b>0.00</b>	<b>Less than 25.0</b>	<b>0.00</b>	
Natural gas-fired burn off oven (insignificant activity)*	0.10	0.15	0.15	0.01	1.10	0.01	0.16	Negligible
Other Insignificant Activities	0.00	0.02	0.02	0.00	0.20	0.01	0.16	0.004
<b>TOTAL PTE AFTER ISSUANCE</b>	59.36	59.43	59.43	0.01	1.30	92.67	0.33	Single Less than 10 and Total less than 25

\* See note in the TSD - Emission Calculations Section regarding the source of these numbers.

**Emissions Calculations  
VOC, Particulate and HAPs  
From Surface Coating Operation - Line 3**

Company Name: Coulter & Sons, Inc.  
Address City IN Zip: 209 York Drive, Middlebury, Indiana 46540  
FESOP: 039-28675-00454  
Reviewer: Janet Mobley

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Material (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC (lbs/hr)	Potential VOC (lbs/day)	Potential VOC (tons/yr)	Particulate Potential (tons/yr)	VOC solids (lbs/gal)	Transfer Efficiency	Material Substrate
<b>Line 3 - Worst Case Coating</b>																		
RAABE Fine Liner Metallic	8.32	53.96%	0.01%	53.95%	0.01%	50.0%	0.00040	24,480	1.0	4.49	4.49	43.95	1054.87	192.51	147.86	8.98	10%	plastic
Lacquer Retarder L3C	7.51	100%	0.00%	100.00%	0.00%	0.00%	0.00001	24,480	1.0	7.51	7.51	1.81	43.33	7.91	0.00	N/A	10%	plastic
<b>Alternate Coating</b>																		
PREMIX	8.46	96%	96.30%	0.00%	0.00%	3.70%	0.0000051	24,480	1.0	0.00	0.00	0.00	0.00	0.00	0.17	N/A	10%	plastic
CR2	9.45	64%	62.90%	1.00%	0.00%	36.10%	0.0000000	24,480	1.0	0.09	0.09	0.00	0.00	0.00	0.00	N/A	10%	plastic
CS.F07	11.21	63%	62.92%	0.00%	0.00%	37.08%	0.0000016	24,480	1.0	0.00	0.00	0.00	0.00	0.00	0.64	N/A	10%	plastic
RX	9.13	86%	85.50%	0.00%	0.00%	14.50%	0.0000003	24,480	1.0	0.00	0.00	0.00	0.00	0.00	0.04	N/A	10%	plastic
RBL	8.46	54%	53.50%	0.00%	0.00%	46.50%	0.000003	24,480	1.0	0.00	0.00	0.00	0.00	0.00	9.59	N/A	10%	plastic
Hydrozine Solution	8.5902	100%	36.00%	64.00%	0.00%	0.00%	0.000001	24,480	1.0	5.50	5.50	5.50	2.30	0.42	0	N/A	10%	plastic
Peladow	8.33	0%	0.00%	0.00%	0.00%	100.00%	0.000000	24,480	1.0	0.00	0.00	0.00	0.00	0.00	0	N/A	10%	plastic

**Total Emissions 192.5 147.9**  
**Controlled Emissions 1.479**

**METHODOLOGY**

Emissions due to Existing Permitted Coatings = Worst case emissions due to any single 'Existing Permitted Coatings'  
Emissions due to new Coatings = Sum of emissions of all the new coatings as applied  
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) \* Flash-off  
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day) \* Flash-off  
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) \* Flash-off  
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) \* Flash-off

Material	Density (lbs/gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Hydrazine	Weight % formaldehyd	Weight % Xylene	Weight % Toluene	Weight % MEK	Weight % Ethyl Benzen	Weight % MIBK	Weight % Methanol	Weight % Glycol Ether	Hydrazine Emissions	formaldehyd Emissions	Xylene Emissions	Toluene Emissions	MEK Emissions	Ethyl Benzen Emissions	MIBK Emissions	Methanol Emissions	Glycol Ethers Emissions
<b>Line 3 - Worst Case Coating</b>																					
RAABE Fine Liner Metallic	8.32	0.00040	24480	0.00%	0.00%	28.0%	0.00%	0.00%	6.48%	0.00%	0.00%	0.00%	0	0	99.91	0	0	23.11	0	0	0
Lacquer Retarder L3C	7.51	0.00001	24480	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0	0	0.00	0	0	0	0	0	7.91
<b>Alternate Coating</b>																					
PREMIX	8.46	0.00041	24480	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0	0.00	0	0	0	0	0	0	0
CR2	9.45	0.00041	24480	0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0	4.15	0	0	0	0	0	0	0
CS.F07	11.21	0.00041	24480	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0	0	0	0	0	0	0	0	0
RX	9.13	0.00041	24480	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0	0	0	0	0	0	0	0	0
RBL	8.46	0.00041	24480	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0	0	0	0	0	0	0	0	0
Hydrazine Solution	8.59	#####	24480	64.40%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.7	0	0	0	0	0	0	0	0
Peladow	8.33	0.0001	24480	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.0	0	0	0	0	0	0	0	0
<b>Total</b>															<b>99.91</b>	<b>0.00</b>	<b>0.00</b>	<b>23.11</b>	<b>0.00</b>	<b>0.00</b>	<b>7.91</b>

**METHODOLOGY**

HAPS emission rate (tons/yr) = Density (lbs/gal) \* Gal of Material (gal/unit) \* Maximum (unit/hr) \* Weight % HAP \* 8760 hrs/yr \* 1 ton/2000 lbs

**Emissions Calculations  
VOC, Particulate and HAPs  
From Surface Coating Operation- Line 2**

Company Name: **Coulter & Sons, Inc.**  
Address City IN Zip: **209 York Drive, Middlebury, Indiana 46540**  
FESOP: **039-28675-00454**  
Reviewer: **Janet Mobley**

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Material (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC (lbs/hr)	Potential VOC (lbs/day)	Potential VOC (tons/yr)	Particulate Potential (tons/yr)	VOC solids (lbs/gal)	Transfer Efficiency	Material Substrate
<b>Line 2 - Existing Permitted Coatings</b>																		
RAABE Fine Liner Metallic	8.32	53.96%	0.01%	53.95%	0.01%	50.0%	0.00040	6120	1.0	4.49	4.49	10.99	263.72	48.13	36.96	8.98	10%	plastic
Lacquer Retarder L3C	7.51	100%	0.00%	100.00%	0.00%	0.00%	0.00001	6120	1.0	7.51	7.51	0.45	10.83	1.98	0.00	N/A	10%	plastic
<b>Line 2 - New Coatings</b>																		
PREMIX	8.46	0%	0%	0%	0%	3.70%	0.00002	6120	1.0	0	0	0	0	0	4.17	N/A	10%	plastic
CR2	9.45	0%	0%	0%	0%	36.10%	0.0000001	6120	1.0	0	0	0	0	0	0.01	N/A	10%	plastic
CS.F07	11.21	0%	0%	0%	0%	37.08%	0.0000064	6120	1.0	0	0	0	0	0	1.74	N/A	10%	plastic
RX	9.13	0%	0%	0%	0%	14.50%	0.0000014	6120	1.0	0	0	0	0	0	0.30	N/A	10%	plastic
RBL	8.46	0%	0%	0%	0%	46.50%	0.00010	6120	1.0	0	0	0	0	0	20.84	N/A	10%	plastic
Hydrozine Solution	8.5902	0%	0%	0%	0%	0%	0.000003	6120	1	0	0	0	0	0	0.5913	N/A	0.1	plastic

Emissions due to Existing Permitted Coatings    **48.1**    **37.0**  
Emissions due to new Coatings                                    **0**                    **28**

**METHODOLOGY**

Emissions due to Existing Permitted Coatings = Worst case emissions due to any single 'Existing Permitted Coatings'  
Emissions due to new Coatings = Sum of emissions of all the new coatings as applied  
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) \* Flash-off  
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day) \* Flash-off  
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hrs/yr) \* (1 ton/2000 lbs) \* Flash-off  
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) \* Flash-off

**HAP EMISSIONS**

Material	Density (lbs/gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Hydrazine	Weight % Formaldehyd	Weight % Xylene	Weight % Toluene	Weight % MEK	Weight % Ethyl Benzen	Weight % MIBK	Weight % Methanol	Weight % Glycol Ethers	Hydrazine Emissions	Formaldehyde Emissions	Xylene Emissions	Toluene Emissions	MEK Emissions	Ethyl Benzen Emissions	MIBK Emissions	Methanol Emissions	Glycol Ethers Emissions									
<b>Line 2 - Existing Permitted Coatings</b>																														
RAABE Fine Liner Metallic	8.32	0.00040	6120	0.00%	0.00%	28.0%	0.00%	0.00%	6.48%	0.00%	0.00%	0.00%	0	0	24.98	0	0	5.78	0	0	0									
Lacquer Retarder L3C	7.51	0.00001	6120	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0	0	0	0	0	0	0	0	0	1.98									
<b>Line 2 - New Coatings</b>																														
PREMIX	8.46	0.00041	6120	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0	0.00	0	0	0	0	0	0	0									
CR2	9.45	0.00041	6120	0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0	1.04	0	0	0	0	0	0	0									
CS.F07	11.21	0.00041	6120	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0	0	0	0	0	0	0	0	0									
RX	9.13	0.00041	6120	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0	0	0	0	0	0	0	0	0									
RBL	8.46	0.00041	6120	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0	0	0	0	0	0	0	0	0									
Hydrazine Solution	8.59	0.00000285	6120	64.40%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.4	0	0	0	0	0	0	0	0									
<b>Unlimited Single HAP Emissions due to Existing Permitted Coatings</b>															<b>24.98</b>	<b>0.00</b>	<b>0.00</b>	<b>5.78</b>	<b>0.00</b>	<b>0.00</b>	<b>1.98</b>									
<b>Unlimited Single HAP Emissions due to new Coatings</b>															<b>1.04</b>															

**METHODOLOGY**

HAPS emission rate (tons/yr) = Density (lbs/gal) \* Gal of Material (gal/unit) \* Maximum (unit/hr) \* Weight % HAP \* 8760 hrs/yr \* 1 ton/2000 lbs

**Appendix A: Emissions Calculations**  
**VOC and Particulate Emissions from Surface Coating- Manual Spray Booth #2**

**Company Name: Coulter and Son, Inc.**  
**Address: 209 York Drive, Middlebury, Indiana 46540**  
**MPR to FESOP: 039-28675-00454**  
**Reviewer: Janet Mobley**

Material	Density (lb/gal)	Weight % VOC	Weight % Water	Usage (gal/unit)	Maximum Throughput (unit/hr)	Pounds VOC per gallon of coating	PTE VOC (lb/day)	PTE VOC (ton/yr)	PTE Particulate Uncontrolled (ton/yr)	PTE Particulate Controlled (ton/yr)	Transfer Efficiency	Control Efficiency
<b>Sherwin Williams (Paint System 1) *</b>												
Industrial Wash Primer	7.44	84%	0%	0.00002	650	6.25	1.95	0.36	0.0	0.0	65%	80%
Catalysed Epoxy Primer	5.60	100%	0%	0.00002	650	5.60	1.75	0.32	0.0	0.0	65%	80%
Polane B Polyurethane Enamel	5.70	100%	0%	0.00100	650	5.70	88.9	16.2	0.0	0.0	65%	80%
<b>Vogel Paint (Paint System 2) *</b>												
Mirror Clear Acrylic Urethane	8.54	0.0%	73.0%	0.00100	650	0.00	0.00	0.00	2.30	0.46	65%	80%
Medium Activator	8.15	57.6%	0.0%	0.00002	650	4.69	1.46	0.27	0.07	0.01	65%	80%
Super-Flow AUR Moderate Weather	7.09	100%	0.0%	0.00002	650	7.09	2.21	0.40	0.00	0.00	65%	80%
<b>Totals</b>							<b>96.3</b>	<b>17.6</b>	<b>2.39</b>	<b>0.48</b>		

The spray booth uses a HVLP spray gun with a transfer efficiency of 65%. Particulate is controlled with dry filters.

**METHODOLOGY**

Pounds of VOC per gallon of coating (lb/gal) = Density (lb/gal) x Weight % VOC

PTE VOC (lb/day) = Pounds of VOC per gallon of coating (lb/gal) x Usage (gal/unit) x Maximum Throughput (unit/hr) x 24 hr/day

PTE VOC (ton/yr) = Pounds of VOC per gallon of coating (lb/gal) x Usage (gal/unit) x Maximum Throughput (units/hr) x 8760 hr/yr x 1 ton/2000 lbs

PTE Particulate Uncontrolled (ton/yr) = Maximum Throughput (unit/hr) x Usage (gal/unit) x Density (lb/gal) x (1- Weight % VOC - Weight % Water) x (1-Transfer Efficiency (%)) x 8760 hrs/yr \* 1 ton/2000 lbs

PTE Particulate Controlled (ton/yr) = PTE Particulate Uncontrolled (ton/yr) x (1-Control Efficiency (%))

**HAP EMISSIONS**

Material	Density (lb/gal)	Usage (gal/unit)	Maximum Throughput (unit/hr)	Weight % Toluene	Weight % Methyl Isobutyl Ketone	Weight % Xylene	Weight % Ethyl Benzene	PTE of Toluene (ton/yr)	PTE of Methyl Isobutyl Ketone (ton/yr)	PTE of Xylene (ton/yr)	PTE of Ethyl Benzene (ton/yr)
<b>Sherwin Williams (Paint System 1) *</b>											
Industrial Wash Primer	7.44	0.00002	650	2.00%	31.00%	2.00%	0.30%	0.01	0.13	0.01	0.00
Catalysed Epoxy Primer	5.60	0.00002	650	5.00%	0.00%	0.00%	0.00%	0.02	0.00	0.00	0.00
Polane B Polyurethane Enamel	5.70	0.00100	650	5.00%	0.00%	3.00%	0.60%	0.81	0.00	0.49	0.10
<b>Vogel Paint (Paint System 2) *</b>											
Mirror Clear Acrylic Urethane	8.54	0.00100	650	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Medium Activator	8.15	0.00002	650	0.00%	0.00%	21.50%	4.60%	0.00	0.00	0.10	0.02
Super-Flow AUR Moderate Weather	7.09	0.00002	650	0.00%	2.00%	0.00%	0.00%	0.00	0.01	0.00	0.00
<b>Single HAP: Totals</b>								<b>0.84</b>	<b>0.14</b>	<b>0.60</b>	<b>0.12</b>
<b>Total HAPs:</b>								<b>1.69</b>			

**METHODOLOGY**

PTE HAPs (ton/yr) = Density (lb/gal) x Usage (gal/unit) x Maximum Throughput (unit/hr) x Weight % HAP x 8760 hrs/yr x 1 ton/2000 lbs

**Appendix A: Emissions Calculations  
VOC and Particulate**

**From Surface Coating Operations - Line 1**

**Company Name: Coulter & Sons, Inc.  
Address City IN Zip: 209 York Drive, Middlebury, Indiana 46540  
FESOP: 039-28675-00454  
Reviewer: Janet Mobley**

Material	Density (lb/gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Vol (solids)	Gal of Material (gal/unit)	Maximum (unit/hour)	Flash-off (fraction)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC (lbs/hr)	Potential VOC (lbs/day)	Potential VOC (tons/yr)	Particulate Potential (tons/yr)	VOC solids (lbs/gal)	Transfer Efficiency	Material Substrate	
<b>Line 1</b>																			
Black Plastic Lacquer	7.54	74.66%	0.00%	74.66%	0.0%	18.95%	0.00080	3060	1.0	5.63	5.63	13.78	330.74	60.36	18.44	29.71	10%	plastic	
Lacquer Retarder L3C	7.51	100%	0.00%	100.00%	0.0%	0.00%	0.00002	3060	1.0	7.51	7.51	0.45	10.81	1.97	0.00	N/A	10%	plastic	
<b>R-T-S</b>	<b>7.54</b>	<b>75.26%</b>	<b>0.00%</b>	<b>75.26%</b>	<b>0.0%</b>	<b>18.5%</b>	<b>0.00082</b>	<b>3060</b>	<b>1.0</b>	<b>5.67</b>	<b>5.67</b>	<b>14.23</b>	<b>341.55</b>	<b>62.33</b>	<b>18.44</b>	<b>30.68</b>	<b>10%</b>	<b>plastic</b>	
<b>Clean Up Solvent</b>																			
Superior	6.91	100%	0.00%	100%	0.00%	0.00%	0.07146	1.00	1.0	6.91	6.91	0.49	11.85	2.16	0.00	N/A	10%	plastic	
<b>Potential Emissions</b>	<b>Add worst case coating to all solvents</b>											<b>TOTALS:</b>	<b>14.7</b>	<b>353</b>	<b>64</b>	<b>18.4</b>			
												<b>Control Efficiency:</b>	<b>0.0%</b>	<b>0.0%</b>	<b>0.0%</b>	<b>99.0%</b>			
												<b>Controlled Emissions:</b>	<b>14.7</b>	<b>353</b>	<b>64</b>	<b>0.184</b>			

METHODOLOGY

RTS Density (lbs/gal) = ((Da\*Va)+(Db\*Vb))/(Va+Vb)

RTS Weight % H2O + Organics = ((Wa\*Da\*Va)+(Wb\*Db\*Vb))/((Da\*Va)+(Db\*Vb))

where Di is the Density of compound i, Vi is the gallons of material per unit of compound i, and Wi is the Weight percent of compound i

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) \* Flash-off

Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (24 hr/day) \* Flash-off

Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) \* Gal of Material (gal/unit) \* Maximum (units/hr) \* (8760 hrs/yr) \* (1 ton/2000 lbs) \* Flash-off

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) \* Flash-off

Total = RTS

**HAP EMISSIONS**

Material	Density (lbs/gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % Ethyl Benzene	Weight % MIBK	Weight % Methanol	Weight % Glycol Ethers	Xylene Emissions (tons/yr)	Toluene Emissions (tons/yr)	Ethyl Benzene Emissions (tons/yr)	MIBK Emissions (tons/yr)	Methanol Emissions (tons/yr)	Glycol Ethers Emissions (tons/yr)	<b>Total HAP Emissions (tons/yr)</b>
<b>Line 1</b>																
Black Plastic Lacquer	7.54	0.00080	3060	0.00%	30.0%	0.00%	0.00%	0.00%	5.00%	0.00	24.3	0.00	0.00	0.00	4.04	
Lacquer Retarder L3C	7.51	0.00002	3060	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00	0.0	0.00	0.00	0.00	1.97	
<b>Clean Up Solvent</b>																<b>30.27</b>
Superior	6.91	0.07146	1.00	10.0%	50.0%	1.50%	10.0%	20.0%	0.0%	0.22	1.1	0.03	0.22	0.43	0.00	<b>1.98</b>
<b>Total</b>										<b>0.2</b>	<b>25.3</b>	<b>0.0</b>	<b>0.22</b>	<b>0.43</b>	<b>6.020</b>	<b>32.25</b>

METHODOLOGY

HAPS emission rate (tons/yr) = Density (lbs/gal) \* Gal of Material (gal/unit) \* Maximum (unit/hr) \* Weight % HAP \* 8760 hrs/yr \* 1 ton/2000 lbs

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

**Company Name:** Coulter & Sons, Inc.  
**Address City IN Zip:** 209 York Drive, Middlebury, Indiana 46540  
**FESOP:** 039-28675-00454  
**Reviewer:** Janet Mobley

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr	
0.445	3.90	Three (3) space heaters rated at 0.115 MMBtu/hr, each One (1) furnace rated at 0.1 MMBtu/hr

Emission Factor in lb/MMCF	Pollutant					CO
	PM*	PM10*	SO2	NOx	VOC	
	1.90	7.60	0.600	100	5.50	84.0
				**see below		
Potential Emission in tons/yr	0.004	0.015	0.001	0.195	0.011	0.164

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

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

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

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

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

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

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

**Company Name: Coulter & Sons, Inc.**  
**Address City IN Zip: 209 York Drive, Middlebury, Indiana 46540**  
**FESOP: 039-28675-00454**  
**Reviewer: Janet Mobley**

HAPs - Organics

Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	0.000000	0.000000	0.000000	0.000000	0.000000

HAPs - Metals

Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03	Total HAPs
Potential Emission in tons/yr	0.000000	0.000000	0.000000	0.000000	0.000000	0.000

Methodology is the same as previous page.

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



# 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](http://www.idem.IN.gov)

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

TO: Ron Green  
Coulter & Son, Inc.  
209 York Dr.  
Middlebury IN 46540

DATE: Dec. 16, 2009

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

SUBJECT: Final Decision  
Minor Permit Revision  
039-28675-00454

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:  
Elizabeth Hill Bruce Carter Associates  
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](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 11/30/07

# Mail Code 61-53

IDEM Staff	BMILLER 12/16/2009 Coulter & Son, Inc 039-28675-00454 (final)		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Ron Green Coulter & Son, Inc 209 York Dr Middlebury IN 46540 (Source CAATS) <i>Via Confirmed Delivery</i>										
2		Elkhart County Health Department Elkhart County Health Department 608 Oakland Avenue Elkhart IN 46516 ( <i>Health Department</i> )										
3		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 ( <i>Affected Party</i> )										
4		Middlebury Town Council and Town Manager P.O. Box 812, 418 North Main Street Middlebury IN 46540 ( <i>Local Official</i> )										
5		Ms. Elizabeth Hill Bruce Carter Associates 616 S 4th Street Elkhart IN 46516 ( <i>Consultant</i> )										
6		Elkhart County Board of Commissioners 117 North Second St. Goshen IN 46526 ( <i>Local Official</i> )										
7												
8												
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