



Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: May 18, 2007  
RE: Flint Group North America Corporation / 085-21743-00037  
FROM: Nisha Sizemore  
Chief, Permits Branch  
Office of Air Quality

**Notice of Decision: Approval – Effective Immediately**

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

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

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

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

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

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

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

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



Mitchell E. Daniels, Jr.  
 Governor

Thomas W. Easterly  
 Commissioner

100 North Senate Avenue  
 MC 61-53 IGCN 1003  
 Indianapolis, Indiana 46204-2251  
 (317) 232-8603  
 (800) 451-6027  
 www.IN.gov/idem

## PART 70 OPERATING PERMIT RENEWAL OFFICE OF AIR QUALITY

**Flint Group North America Corporation  
 3025 West Old Road 30  
 Warsaw, Indiana 46580**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T085-21743-00037	
Original Signed By:  Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: May 18, 2007  Expiration Date: May 18, 2012

## TABLE OF CONTENTS

<b>A</b>	<b>SOURCE SUMMARY .....</b>	<b>5</b>
A.1	General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(15)][326 IAC 2-7-1(22)]	
A.2	Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]	
A.3	Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]	
A.4	Part 70 Permit Applicability [326 IAC 2-7-2]	
<b>B</b>	<b>GENERAL CONDITIONS .....</b>	<b>8</b>
B.1	Definitions [326 IAC 2-7-1]	
B.2	Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5] [326 IAC 2-7-4(a)(1)(D)] [IC 13-15-3-6(a)]	
B.3	Term of Conditions [326 IAC 2-1.1-9.5]	
B.4	Enforceability [326 IAC 2-7-7]	
B.5	Severability [326 IAC 2-7-5(5)]	
B.6	Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]	
B.7	Duty to Provide Information [326 IAC 2-7-5(6)(E)]	
B.8	Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]	
B.9	Annual Compliance Certification [326 IAC 2-7-6(5)]	
B.10	Preventive Maintenance Plan [326 IAC 2-7-5(1),(3)and (13)][326 IAC 2-7-6(1)and(6)] [326 IAC 1-6-3]	
B.11	Emergency Provisions [326 IAC 2-7-16]	
B.12	Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]	
B.13	Prior Permits Superseded [326 IAC 2-1.1-9.5] [326 IAC 2-7-10.5]	
B.14	Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]	
B.15	Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]	
B.16	Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]	
B.17	Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]	
B.18	Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]	
B.19	Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]	
B.20	Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]	
B.21	Source Modification Requirement [326 IAC 2-7-10.5]	
B.22	Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]	
B.23	Transfer of Ownership or Operational Control [326 IAC 2-7-11]	
B.24	Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]	
B.25	Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]	
<b>C</b>	<b>SOURCE OPERATION CONDITIONS.....</b>	<b>19</b>
	<b>Emission Limitations and Standards [326 IAC 2-7-5(1)]</b>	
C.1	Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]	
C.2	Opacity [326 IAC 5-1]	
C.3	Open Burning [326 IAC 4-1] [IC 13-17-9]	
C.4	Incineration [326 IAC 4-2] [326 IAC 9-1-2]	
C.5	Fugitive Dust Emissions [326 IAC 6-4]	
C.6	Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]	
	<b>Testing Requirements [326 IAC 2-7-6(1)]</b>	
C.7	Performance Testing [326 IAC 3-6]	

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

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

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

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

C.10 Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]

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

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

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

C.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

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

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

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

**Stratospheric Ozone Protection**

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

**D.1 FACILITY OPERATION CONDITIONS - Tanks ..... 26**

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

D.1.1 Volatile Organic Compound Emissions Limit [326 IAC 8-1-6]

**Compliance Determination Requirements**

D.1.2 Testing Requirements [326 IAC 2-7-6(1),(6)][326 IAC 2-1.1-11]

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

D.1.3 Record Keeping Requirements

D.1.4 Reporting Requirements

**D.2 FACILITY OPERATION CONDITIONS - Insignificant Activities..... 29**

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

D.2.1 Particulate [326 IAC 6-3-2]

D.2.2 Particulate [326 IAC 6-2-3]

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

**Compliance Determination Requirements**

D.2.4 Particulate Control

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

D.2.5 Visible Emissions Notations

D.2.6 Parametric Monitoring

D.2.7 Broken or Failed Bag Detection

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

D.2.8 Record Keeping Requirements

**National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements  
[326 IAC 2-7-5(1)]**

D.2.9 NESHAP Subpart DDDDD Requirements [40 CFR Part 63, Subpart DDDDD]

**E.1 FACILITY OPERATION CONDITIONS – Surface Coating of Miscellaneous Metal Parts and  
Products Operations..... 33**

**National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements  
[326 IAC 2-7-5(1)]**

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

E.1.2 NESHAP Subpart HHHHH Requirements [40 CFR Part 63, Subpart HHHHH]

E.1.3 One Time Deadlines Relating to NESHAP Surface Coating of Miscellaneous Metal Parts  
and Products Requirements [40 CFR Part 63, Subpart HHHHH]

**Certification..... 55**

**Emergency Occurrence Report ..... 56**

**Quarterly Report..... 58-59**

**Quarterly Deviation and Compliance Monitoring Report ..... 60**

## SECTION A SOURCE SUMMARY

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

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

---

The Permittee owns and operates a stationary printing ink production plant.

Source Address:	3025 West Old Road 30, Warsaw, IN 46580
Mailing Address:	3025 West Old Road 30, Warsaw, IN 46580
General Source Phone Number:	(574) 269-4603
SIC Code:	2893
County Location:	Kosciusko
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD Rules; Major Source, Section 112 of the Clean Air Act

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

---

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

- (a) one (1) ink and concentrate mixing area, installed in 1981, exhausting to the interior of the building, and consisting of the following units which are equipped with tightly fitting covers/lids and individual condensers to achieve compliance with 40 CFR 63, Subpart HHHHH:
- (1) two (2) V series beveled bottom fixed roof dome tanks, identified as V100-V101, each with a maximum capacity of 4,000 gallons of clear ink and concentrate;
  - (2) two (2) V series beveled bottom fixed roof dome tanks, identified as V102-V103, each with a maximum capacity of 4,000 gallons of yellow ink and concentrate;
  - (3) one (1) V series beveled bottom fixed roof dome tank, identified as V104, with a maximum capacity of 4,000 gallons of red ink and concentrate;
  - (4) one (1) V series beveled bottom fixed roof dome tank, identified as V105, with a maximum capacity of 4,000 gallons of blue or black ink and concentrate;
  - (5) one (1) V series beveled bottom fixed roof dome tank, identified as V106, with a maximum capacity of 4,000 gallons of blue or black ink and concentrate (installed in 2005);
  - (6) one (1) Ink Loading (Finished Ink) operation, exhausting to the atmosphere;
  - (7) one (1) Ink Loading (Resinate) operation, exhausting to the atmosphere;
  - (8) one (1) Ink Loading, In (Toluene) operation, exhausting to the atmosphere;
  - (9) one (1) Ink Loading, Out (Toluene) operation, exhausting to the atmosphere; and

- (10) three (3) V series fixed roof dome tanks, identified as PM101 through PM103, each with a maximum capacity of 375 gallons of custom inks and concentrate.
- (b) one (1) exterior raw material storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
    - (1) three (3) V series fixed roof dome tanks, identified as V502 through V504, each with a maximum capacity of 17,000 gallons of toluene;
    - (2) two (2) V series fixed roof dome tanks, identified as V505 and V506, each with a maximum capacity of 30,000 gallons of resinate;
    - (3) one (1) V series beveled bottom fixed roof dome tank, identified as V507, with a maximum capacity of 25,000 gallons of resinate (installed 2005); and
    - (4) one (1) V series beveled bottom fixed roof dome tank, identified as V211, with a maximum capacity of 25,000 gallons of resinate (installed 2005 and moved to the interior of facility building).
  - (c) one (1) concentrate surge area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
    - (1) three (3) V series fixed roof dome tanks, identified as V151, V160 and V161, each with a maximum capacity of 500 gallons of concentrate; and
    - (2) one (1) V series fixed roof dome tank, identified as V150, with a maximum capacity of 200 gallons of concentrate (installed 2005).
  - (d) one (1) intermediate storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
    - (1) six (6) V series fixed roof dome tanks, identified as V203, V204, V205, V207, V400, and V403 each with a maximum capacity of 10,000 gallons of concentrate;
    - (2) two (2) V series fixed roof dome tanks, identified as V208 and V213, each with a maximum capacity of 6,200 gallons of concentrate;
    - (3) two (2) V series fixed roof dome tanks, identified as Intermediate Storage Tanks V209 and V210 each with a maximum capacity of 10,000 gallons of Gilsonite and concentrate, respectively (installed 2005); and
    - (4) three (3) V series fixed roof dome tanks, identified as Blending Tanks V107, V108, and V109 each with a maximum capacity of 6,200 gallons of concentrate (installed 2005).
  - (e) one (1) finished ink storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
    - (1) six (6) V series cone bottom fixed roof dome tanks, identified as V401, V402, V404 through V407, each with a maximum capacity of 10,000 gallons of ink; and

- (2) two (2) V series fixed roof dome tanks, identified as Finished Ink Storage Tanks V408 and V409 each with a maximum capacity of 10,000 gallons of finished ink (installed 2005).
- (f) Loading racks for loading finished product and solvents, installed in 1981, with a maximum capacity of 12,000 gallons per hour; and
- (g) Building vents (CEF-1 and CEF-2) and dust collector exhaust (F-701) venting indoor VOCs from piping losses and mixing tank losses to the atmosphere, installed in 1981.

Under NESHAP 40 CFR Subpart HHHHH the above listed units are each considered an existing affected source because the construction of the source commenced prior to April 4, 2002 and the source is not reconstructed.

- (h) Handling of pigments, waxes, clays and other dry materials, using a baghouse as particulate control (maximum total process weight rate of 18 tons per hour of dry materials).

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

---

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

Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour;

- (1) one (1) 6.278 mmBtu/hr boiler, installed in 1981. [326 IAC 6-2-3] [40 CFR 63, Subpart DDDDD]

Under NESHAP, Subpart DDDDD, the one (1) natural gas fired boiler is considered an existing small gaseous unit.

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

---

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

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

## **SECTION B GENERAL CONDITIONS**

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

---

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

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

- 
- (a) This permit, T085-21743-00037, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

---

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

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

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

---

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

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

---

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

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

---

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

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

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

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

---

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

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

---

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

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

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
  - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether compliance was continuous or intermittent;
  - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
  - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

---

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

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

---

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

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

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

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

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

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

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

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

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

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

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

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
- (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
  - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
  - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ has issued the modification. [326 IAC 2-7-12(b)(8)]

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

---

- (a) All terms and conditions of permits established prior to T085-21743-00037 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
  - (2) revised under 326 IAC 2-7-10.5, or
  - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

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

---

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

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

---

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

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

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

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

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

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

---

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

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

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

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

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
  - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
  - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

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

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

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

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

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

---

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

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

---

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

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

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

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

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

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

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

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

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

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

---

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

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

---

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

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

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

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:  
  
Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204 2251  
  
The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

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

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

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

---

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

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

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

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

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

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

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

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

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

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

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
- (2) If there is a change in the following:
  - (A) Asbestos removal or demolition start date;
  - (B) Removal or demolition contractor; or
  - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-52 IGCN 1003  
Indianapolis, Indiana 46204 2251

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

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 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 2-7-6(1)]**

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

---

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

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

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

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

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

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

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

---

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

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

##### **C.9 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]**

---

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

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

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

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

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

when operation begins.

C.10 **Monitoring Methods** [326 IAC 3] [40 CFR 60] [40 CFR 63]

---

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

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

---

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

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

C.12 **Emergency Reduction Plans** [326 IAC 1-5-2] [326 IAC 1-5-3]

---

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on June 8, 2001.
- (b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.  
[326 IAC 1-5-3]

C.13 **Risk Management Plan** [326 IAC 2-7-5(12)] [40 CFR 68]

---

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

C.14 **Response to Excursions or Exceedances** [326 IAC 2-7-5] [326 IAC 2-7-6]

---

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (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.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]**

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

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

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

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

- 
- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2007 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
    - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
    - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of

this rule”) from the source, for purpose of fee assessment.

The statement must be submitted to:

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

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

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

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

- (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 2-7-5(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

### **Stratospheric Ozone Protection**

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

---

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

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

## SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) one (1) ink and concentrate mixing area, installed in 1981, exhausting to the interior of the building, and consisting of the following units which are equipped with tightly fitting covers/lids and condensers to achieve compliance with 40 CFR 63, Subpart HHHHH:
- (1) two (2) V series beveled bottom fixed roof dome tanks, identified as V100-V101, each with a maximum capacity of 4,000 gallons of clear ink and concentrate;
  - (2) two (2) V series beveled bottom fixed roof dome tanks, identified as V102-V103, each with a maximum capacity of 4,000 gallons of yellow ink and concentrate;
  - (3) one (1) V series beveled bottom fixed roof dome tank, identified as V104, with a maximum capacity of 4,000 gallons of red ink and concentrate;
  - (4) one (1) V series beveled bottom fixed roof dome tank, identified as V105, with a maximum capacity of 4,000 gallons of blue or black ink and concentrate;
  - (5) one (1) V series beveled bottom fixed roof dome tank, identified as V106, with a maximum capacity of 4,000 gallons of blue or black ink and concentrate (installed in 2005);
  - (6) one (1) Ink Loading (Finished Ink) operation, exhausting to the atmosphere;
  - (7) one (1) Ink Loading (Resinate) operation, exhausting to the atmosphere;
  - (8) one (1) Ink Loading, In (Toluene) operation, exhausting to the atmosphere;
  - (9) one (1) Ink Loading, Out (Toluene) operation, exhausting to the atmosphere; and
  - (10) three (3) V series fixed roof dome tanks, identified as PM101 through PM103, each with a maximum capacity of 375 gallons of custom inks and concentrate.
- (b) one (1) exterior raw material storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
- (1) three (3) V series fixed roof dome tanks, identified as V502 through V504, each with a maximum capacity of 17,000 gallons of toluene;
  - (2) two (2) V series fixed roof dome tanks, identified as V505 and V506, each with a maximum capacity of 30,000 gallons of resinate;
  - (3) one (1) V series beveled bottom fixed roof dome tank, identified as V507, with a maximum capacity of 25,000 gallons of resinate (installed 2005); and
  - (4) one (1) V series beveled bottom fixed roof dome tank, identified as V211, with a maximum capacity of 25,000 gallons of resinate (installed 2005 and moved to the interior of facility building).
- (c) one (1) concentrate surge area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:

**SECTION D.1 cont'd**

**FACILITY OPERATION CONDITIONS**

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

- (1) three (3) V series fixed roof dome tanks, identified as V151, V160 and V161, each with a maximum capacity of 500 gallons of concentrate; and
- (2) one (1) V series fixed roof dome tank, identified as V150, with a maximum capacity of 200 gallons of concentrate (installed 2005);
- (d) one (1) intermediate storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
  - (1) six (6) V series fixed roof dome tanks, identified as V203, V204, V205, V207, V400, and V403 each with a maximum capacity of 10,000 gallons of concentrate;
  - (2) two (2) V series fixed roof dome tanks, identified as V208 and V213, each with a maximum capacity of 6,200 gallons of concentrate;
  - (3) two (2) V series fixed roof dome tanks, identified as Intermediate Storage Tanks V209 and V210 each with a maximum capacity of 10,000 gallons of Gilsonite and concentrate, respectively (installed 2005); and
  - (4) three (3) V series fixed roof dome tanks, identified as Blending Tanks V107, V108, and V109 each with a maximum capacity of 6,200 gallons of concentrate (installed 2005).
- (e) one (1) finished ink storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
  - (1) six (6) V series cone bottom fixed roof dome tanks, identified as V401, V402, V404 through V407, each with a maximum capacity of 10,000 gallons of ink.
  - (2) two (2) V series fixed roof dome tanks, identified as Finished Ink Storage Tanks V408 and V409 each with a maximum capacity of 10,000 gallons of finished ink (installed 2005).
- (f) Loading racks for loading finished product and solvents, installed in 1981, with a maximum capacity of 12,000 gallons per hour; and
- (g) Building vents (CEF-1 and CEF-2) and dust collector exhaust (F-701) venting indoor VOCs from piping losses and mixing tank losses to the atmosphere, installed in 1981.

Under NESHAP 40 CFR Subpart HHHHH the above listed units are each considered an existing affected source because the construction of the source commenced prior to April 4, 2002 and the source is not reconstructed.

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

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

**D.1.1 Volatile Organic Compound Emissions Limit [326 IAC 8-1-6]**

The material input to each emission unit shall be limited as follows in order to limit VOC emissions to less than 25 tons per twelve (12) consecutive month period:

- (a) The total amount of material input to the yellow ink and concentrate tanks (V102-V103) shall be limited to 37,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month and VOC emissions shall not exceed 1.33 pounds per ton of inks and concentrate. This usage limit shall limit the potential to emit of VOC to less than 25 tons per twelve (12) consecutive month period from the tanks V102 and V103 and render the requirements of 326 IAC 8-1-6 not applicable.
- (b) The total amount of material input to the blue or black ink and concentrate tanks (V105-V106) shall be limited to 37,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month and VOC emissions shall not exceed 1.33 pounds per ton of inks and concentrate. This usage limit shall limit the potential to emit of VOC to less than 25 tons per twelve (12) consecutive month period from the tanks V105 and V106 and render the requirements of 326 IAC 8-1-6 not applicable.

### **Compliance Determination Requirements**

#### **D.1.2 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]**

---

Before April 2010, the Permittee shall perform VOC testing to determine compliance with Condition D.1.1, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

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

#### **D.1.3 Record Keeping Requirements**

---

- (a) To document compliance with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.1.1.
  - (1) The amount of material 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.
  - (2) The color of ink used in each tank subject to Condition D.1.1; and
  - (3) The material type used in each tank in Condition D.1.1.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### **D.1.4 Reporting Requirements**

---

A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

## SECTION D.2 FACILITY OPERATION CONDITIONS

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

- (a) Handling of pigments, waxes, clays and other dry materials, using a baghouse as particulate control (maximum total process weight rate of 18 tons per hour of dry materials).

#### Insignificant Activity:

- (b) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour;

- (1) one (1) 6.278 mmBtu/hr boiler, installed in 1981. [326 IAC 6-2-3] [40 CFR 63, Subpart DDDDD]

Under NESHAP, Subpart DDDDD, the one (1) natural gas fired boiler is considered an existing small gaseous unit.

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

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

#### D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the handling of pigments, waxes, clays and other dry materials shall not exceed 28.4 pounds per hour when operating at a total process weight rate of 18 tons per hour.

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

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

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

#### D.2.2 Particulate [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating) the PM from the 6.278 MMBtu per hour heat input boiler shall be limited to 0.8 pounds per MMBtu heat input.

#### D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the handling of pigments, waxes, clays and other dry materials and the control device.

### Compliance Determination Requirements

#### D.2.4 Particulate Control

In order to comply with condition D.2.1, the baghouse for particulate control shall be in operation and control emissions from the handling of pigments, waxes, clays and other dry materials at all times that the handling of pigments, waxes, clays and other dry materials are in operation.

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

### **D.2.5 Visible Emissions Notations**

---

- (a) Visible emission notations of the handling of pigments, waxes, clays and other dry materials stack exhaust shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

### **D.2.6 Parametric Monitoring**

---

The Permittee shall record the pressure drop across the baghouse used in conjunction with the handling of pigments, waxes, clays and other dry materials, at least once per day when the process is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and shall be calibrated at least once every six (6) months.

### **D.2.7 Broken or Failed Bag Detection**

---

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

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

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

### **D.2.8 Record Keeping Requirements**

---

- (a) To document compliance with Condition D.2.5, the Permittee shall maintain records of visible emission notations of the handling of pigments, waxes, clays and other dry materials stack exhaust once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (i.e. the process did not operate that day).
- (b) To document compliance with Condition D.2.6, the Permittee shall maintain records once per day of the pressure drop. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (i.e. the process did not operate that day).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## **National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]**

### **D.2.9 NESHAP Subpart DDDDD Requirements [40 CFR Part 63, Subpart DDDDD]**

---

Pursuant to CFR Part 63, Subpart DDDDD, the Permittee shall comply with the provisions of 40 CFR Part 63.7480, as specified as follows:

#### **What This Subpart Covers**

##### **§ 63.7480 What is the purpose of this subpart?**

This subpart establishes national emission limits and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limits and work practice standards.

##### **§ 63.7485 Am I subject to this subpart?**

You are subject to this subpart if you own or operate an industrial, commercial, or institutional boiler or process heater as defined in §63.7575 that is located at, or is part of, a major source of HAP as defined in §63.2 or §63.761 (40 CFR part 63, subpart HH, National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities), except as specified in §63.7491.

##### **§ 63.7490 What is the affected source of this subpart?**

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

(1) The affected source of this subpart is the collection of all existing industrial, commercial, and institutional boilers and process heaters within a subcategory located at a major source as defined in §63.7575.

(d) A boiler or process heater is existing if it is not new or reconstructed.

**§ 63.7495 When do I have to comply with this subpart?**

(b) If you have an existing boiler or process heater, you must comply with this subpart no later than September 13, 2007.

**Emission Limits and Work Practice Standards**

**§ 63.7499 What are the subcategories of boilers and process heaters?**

The subcategories of boilers and process heaters are large solid fuel, limited use solid fuel, small solid fuel, large liquid fuel, limited use liquid fuel, small liquid fuel, large gaseous fuel, limited use gaseous fuel, and small gaseous fuel. Each subcategory is defined in §63.7575.

**§ 63.7506 Do any boilers or process heaters have limited requirements?**

(c) The affected boilers and process heaters listed in paragraphs (c)(1) through (4) of this section are not subject to the initial notification requirements in §63.9(b) and are not subject to any requirements in this subpart or in subpart A of this part (*i.e.*, they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSM plans, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart, or any other requirements in subpart A of this part.

(3) Existing small gaseous fuel boilers and process heaters.

**SECTION E.1**

**FACILITY OPERATION CONDITIONS**

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

- (a) one (1) ink and concentrate mixing area, installed in 1981, exhausting to the interior of the building, and consisting of the following units which are equipped with tightly fitting covers/lids and individual condensers to achieve compliance with 40 CFR 63, Subpart HHHHH, and consisting of:
  - (1) two (2) V series beveled bottom fixed roof dome tanks, identified as V100-V101, each with a maximum capacity of 4,000 gallons of clear ink and concentrate;
  - (2) two (2) V series beveled bottom fixed roof dome tanks, identified as V102-V103, each with a maximum capacity of 4,000 gallons of yellow ink and concentrate;
  - (3) one (1) V series beveled bottom fixed roof dome tank, identified as V104, with a maximum capacity of 4,000 gallons of red ink and concentrate;
  - (4) one (1) V series beveled bottom fixed roof dome tank, identified as V105, with a maximum capacity of 4,000 gallons of blue or black ink and concentrate;
  - (5) one (1) V series beveled bottom fixed roof dome tank, identified as V106, with a maximum capacity of 4,000 gallons of blue or black ink and concentrate (installed in 2005);
  - (6) one (1) Ink Loading (Finished Ink) operation, exhausting to the atmosphere;
  - (7) one (1) Ink Loading (Resinate) operation, exhausting to the atmosphere;
  - (8) one (1) Ink Loading, In (Toluene) operation, exhausting to the atmosphere;
  - (9) one (1) Ink Loading, Out (Toluene) operation, exhausting to the atmosphere; and
  - (10) three (3) V series fixed roof dome tanks, identified as PM101 through PM103, each with a maximum capacity of 375 gallons of custom inks and concentrate.
  
- (b) one (1) exterior raw material storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
  - (1) three (3) V series fixed roof dome tanks, identified as V502 through V504, each with a maximum capacity of 17,000 gallons of toluene;
  - (2) two (2) V series fixed roof dome tanks, identified as V505 and V506, each with a maximum capacity of 30,000 gallons of resinate;
  - (3) one (1) V series beveled bottom fixed roof dome tank, identified as V507, with a maximum capacity of 25,000 gallons of resinate (installed 2005); and
  - (4) one (1) V series beveled bottom fixed roof dome tank, identified as V211, with a maximum capacity of 25,000 gallons of resinate (installed 2005 and moved to the interior of facility building).
  
- (c) one (1) concentrate surge area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:

**SECTION E.1 cont'd**

**FACILITY OPERATION CONDITIONS**

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

- (1) three (3) V series fixed roof dome tanks, identified as V151, V160 and V161, each with a maximum capacity of 500 gallons of concentrate; and
  - (2) one (1) V series fixed roof dome tank, identified as V150, with a maximum capacity of 200 gallons of concentrate (installed 2005);
- (d) one (1) intermediate storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
- (1) six (6) V series fixed roof dome tanks, identified as V203, V204, V205, V207, V400, and V403 each with a maximum capacity of 10,000 gallons of concentrate;
  - (2) two (2) V series fixed roof dome tanks, identified as V208 and V213, each with a maximum capacity of 6,200 gallons of concentrate;
  - (3) two (2) V series fixed roof dome tanks, identified as Intermediate Storage Tanks V209 and V210 each with a maximum capacity of 10,000 gallons of Gilsonite and concentrate, respectively (installed 2005); and
  - (4) three (3) V series fixed roof dome tanks, identified as Blending Tanks V107, V108, and V109 each with a maximum capacity of 6,200 gallons of concentrate (installed 2005).
- (e) one (1) finished ink storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
- (1) six (6) V series cone bottom fixed roof dome tanks, identified as V401, V402, V404 through V407, each with a maximum capacity of 10,000 gallons of ink.
  - (2) two (2) V series fixed roof dome tanks, identified as Finished Ink Storage Tanks V408 and V409 each with a maximum capacity of 10,000 gallons of finished ink (installed 2005).
- (f) Loading racks for loading finished product and solvents, installed in 1981, with a maximum capacity of 12,000 gallons per hour; and
- (g) Building vents (CEF-1 and CEF-2) and dust collector exhaust (F-701) venting indoor VOCs from piping losses and mixing tank losses to the atmosphere, installed in 1981.

Under NESHAP 40 CFR Subpart HHHHH the above listed units are each considered an existing affected source because the construction of the source commenced prior to April 4, 2002 and the source is not reconstructed.

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

## **National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]**

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

Pursuant to 40 CFR 63.8095, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, as specified in Table 10 of 40 CFR Part 63, Subpart HHHHH in accordance with schedule in 40 CFR 63 Subpart HHHHH.

### **E.1.2 NESHAP Subpart HHHHH Requirements [40 CFR Part 63, Subpart HHHHH]**

Pursuant to CFR Part 63, Subpart HHHHH, the Permittee shall comply with the provisions of 40 CFR Part 63.7980, as specified as follows:

## **What This Subpart Covers**

### **§ 63.7980 What is the purpose of this subpart?**

This subpart establishes national emission standards for hazardous air pollutants (NESHAP) for miscellaneous coating manufacturing. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limits, operating limits, and work practice standards.

### **§ 63.7985 Am I subject to the requirements in this subpart?**

(a) You are subject to the requirements in this subpart if you own or operate miscellaneous coating manufacturing operations, as defined in paragraph (b) of this section, that meet the conditions specified in paragraphs (a)(1) through (4) of this section.

(1) Are located at or are part of a major source of hazardous air pollutants (HAP) emissions, as defined in section 112(a) of the Clean Air Act (CAA).

(2) Manufacture coatings as defined in §63.8105.

(3) Process, use, or produce HAP.

(4) Are not part of an affected source under another subpart of this part 63.

(b) Miscellaneous coating manufacturing operations include the facility-wide collection of equipment described in paragraphs (b)(1) through (4) of this section that is used to manufacture coatings as defined in §63.8105. Miscellaneous coating manufacturing operations also include cleaning operations.

(1) Process vessels.

(2) Storage tanks for feedstocks and products.

(3) Components such as pumps, compressors, agitators, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, connectors, and instrumentation systems.

(4) Wastewater tanks and transfer racks.

(c) If the predominant use of a transfer rack loading arm or storage tank (including storage tanks in series) is associated with miscellaneous coating manufacturing, and the loading arm or storage tank is not part of an affected source under a subpart of this part 63, then you must assign the loading arm or storage tank to the miscellaneous coating manufacturing operations. If the predominant use cannot be determined, and the loading arm or storage tank is not part of an affected source under a subpart of this part 63, then you must assign the loading arm or storage tank to the miscellaneous coating manufacturing operations. If the use varies from year to year, then you must base the determination on the utilization that occurred during the year preceding December 11, 2003 or, if the loading arm or storage tank was not in operation during

that year, you must base the use on the expected use for the first 5-year period after startup. You must include the determination in the notification of compliance status report specified in §63.8075(d). You must redetermine the predominant use at least once every 5 years after the compliance date.

(d) The requirements for miscellaneous coating manufacturing sources in this subpart do not apply to operations described in paragraphs (d)(1) through (5) of this section.

(1) Research and development facilities, as defined in section 112(c)(7) of the CAA.

(2) The affiliated operations located at an affected source under subparts GG (National Emission Standards for Aerospace Manufacturing and Rework Facilities), KK (National Emission Standards for the Printing and Publishing Industry), JJJJ (NESHAP: Paper and Other Web Coating), future MMMM (National Emission Standards for Miscellaneous Metal Parts and Products Surface Coating Operations) and SSSS (NESHAP: Surface Coating of Metal Coil) of 40 CFR part 63. Affiliated operations include, but are not limited to, mixing or dissolving of coating ingredients; coating mixing for viscosity adjustment, color tint or additive blending, or pH adjustment; cleaning of coating lines and coating line parts; handling and storage of coatings and solvent; and conveyance and treatment of wastewater.

(3) Ancillary equipment such as boilers and incinerators (only those not used to comply with the emission limits in Tables 1 through 5 to this subpart), chillers and refrigeration systems, and other equipment that is not directly involved in the manufacturing of a coating (i.e., it operates as a closed system, and materials are not combined with materials used to manufacture the coating).

(4) Quality assurance/quality control laboratories.

(5) Modifying a purchased coating in preparation for application at the purchasing facility.

#### **§ 63.7990 What parts of my plant does this subpart cover?**

(a) This subpart applies to each miscellaneous coating manufacturing affected source as defined in §63.7985(a).

(b) The miscellaneous coating manufacturing affected source is the miscellaneous coating manufacturing operations as defined in §63.7985(b).

#### **Compliance Dates**

#### **§ 63.7995 When do I have to comply with this subpart?**

Except as specified in §63.8090, you must comply with this subpart according to the requirements of this section.

(b) If you have an existing affected source on December 11, 2003, then you must comply with the requirements for existing sources in this subpart no later than December 11, 2006.

(d) You must meet the notification requirements in §63.8070 according to the schedule in §63.8070 and in 40 CFR part 63, subpart A. Some of the notifications must be submitted before you are required to comply with the emission limits, operating limits, and work practice standards in this subpart.

#### **Emission Limits, Work Practice Standards, and Compliance Requirements**

#### **§ 63.8000 What are my general requirements for complying with this subpart?**

(a) You must be in compliance with the emission limits and work practice standards in Tables 1 through 5 to this subpart at all times, except during periods of startup, shutdown, and malfunction. You must meet the requirements specified in paragraphs (b) and (c) of this section. You must meet the requirements

specified in §§63.8005 through 63.8025 (or the alternative means of compliance in §63.8050), except as specified in paragraph (d) of this section. You must meet the notification, reporting, and recordkeeping requirements specified in §§63.8070, 63.8075, and 63.8080.

(b) General requirements. (1) If an emission stream contains halogen atoms, and you use a combustion-based control device (excluding a flare) to meet an organic HAP emission limit, you must determine whether the emission stream meets the definition of a halogenated stream by calculating the concentration of each organic compound that contains halogen atoms using the procedures specified in §63.115(d)(2)(v), multiplying each concentration by the number of halogen atoms in the organic compound, and summing the resulting halogen atom concentrations for all of the organic compounds in the emission stream. Alternatively, you may elect to designate the emission stream as halogenated.

(2) Opening of a safety device, as defined in §63.8105, is allowed at any time conditions require it to avoid unsafe conditions.

(c) Compliance requirements for closed vent systems and control devices. If you use a control device to comply with an emission limit in Table 1, 2, or 5 to this subpart, you must comply with the requirements in subpart SS of 40 CFR part 63 as specified in paragraphs (c)(1) through (3) of this section, except as specified in paragraph (d) of this section.

(1) If you reduce organic HAP emissions by venting emissions through a closed-vent system to any combination of control devices (except a flare), you must meet the requirements of §63.982(c) and the requirements referenced therein.

(2) If you reduce organic HAP emissions by venting emissions through a closed-vent system to a flare, you must meet the requirements of §63.982(b) and the requirements referenced therein. You may not use a flare to control halogenated vent streams or hydrogen halide and halogen HAP emissions.

(d) Exceptions to the requirements specified in other subparts of this part 63—(1) Requirements for performance tests. The requirements specified in paragraphs (d)(1)(i) through (v) of this section apply instead of or in addition to the requirements for performance testing of control devices as specified in subpart SS of 40 CFR part 63.

(i) Conduct gas molecular weight analysis using Method 3, 3A, or 3B in appendix A to 40 CFR part 60.

(ii) Measure moisture content of the stack gas using Method 4 in appendix A to 40 CFR part 60.

(iii) As an alternative to using Method 18, Method 25/25A, or Method 26/26A of 40 CFR part 60, appendix A, to comply with any of the emission limits specified in Tables 1 through 6 to this subpart, you may use Method 320 of 40 CFR part 60, appendix A. When using Method 320, you must follow the analyte spiking procedures of section 13 of Method 320, unless you demonstrate that the complete spiking procedure has been conducted at a similar source.

(iv) Section 63.997(c)(1) does not apply. For the purposes of this subpart, results of all initial compliance demonstrations must be included in the notification of compliance status report, which is due 150 days after the compliance date, as specified in §63.8075(d)(1).

(v) If you do not have a closed-vent system as defined in §63.981, you must determine capture efficiency using Method 204 of appendix M to 40 CFR part 51 for all stationary process vessels subject to requirements of Table 1 to this subpart.

(2) Design evaluation. To determine the percent reduction of a small control device, you may elect to conduct a design evaluation as specified in §63.1257(a)(1) instead of a performance test as specified in subpart SS of 40 CFR part 63. You must establish the value(s) and basis for the operating limits as part of the design evaluation.

(3) Periodic verification. For a control device with total inlet HAP emissions less than 1 ton per year (tpy), you must establish an operating limit(s) for a parameter(s) that you will measure and record at least once per averaging period (i.e., daily or block) to verify that the control device is operating properly. You may elect to measure the same parameter(s) that is required for control devices that control inlet HAP emissions equal to or greater than 1 tpy. If the parameter will not be measured continuously, you must request approval of your proposed procedure in the precompliance report. You must identify the operating limit(s) and the measurement frequency, and you must provide rationale to support how these measurements demonstrate the control device is operating properly.

(6) Startup, shutdown, and malfunction. Sections 63.998(b)(2)(iii) and (b)(6)(i)(A), which apply to the exclusion of monitoring data collected during periods of startup, shutdown, and malfunction (SSM) from daily averages, do not apply for the purposes of this subpart.

(7) Reporting. (i) When §§63.8005 through 63.8025 reference other subparts in this part 63 that use the term periodic report, it means compliance report for the purposes of this subpart.

(ii) When there are conflicts between this subpart and referenced subparts for the due dates of reports required by this subpart, reports must be submitted according to the due dates presented in this subpart.

(iii) Excused excursions, as defined in subpart SS of 40 CFR part 63, are not allowed.

#### **§ 63.8005 What requirements apply to my process vessels?**

(a) *General.* (1) You must meet each emission limit and work practice standard in Table 1 to this subpart that applies to you, and you must meet each applicable requirement specified in §63.8000(b), except as specified in paragraphs (a)(1)(i) and (ii) of this section.

(i) You are not required to meet the emission limits and work practice standards in Table 1 to this subpart if you comply with §63.8050 or §63.8055.

(ii) You must meet the emission limits and work practice standards in Table 1 to this subpart for emissions from automatic cleaning operations. You are not required to meet the emission limits and work practice standards in Table 1 to this subpart for emissions from cleaning operations that are conducted manually.

(2) For each control device used to comply with Table 1 to this subpart, you must comply with subpart SS of this part 63 as specified in §63.8000(c), except as specified in §63.8000(d) and paragraphs (b) through (g) of this section.

(b) When subpart SS of this part 63 refers to process vents, it means process vessel vents for the purposes of this section.

(c) Process condensers, as defined in §63.1251, are not considered to be control devices for process vessels.

(d) *Initial compliance.* (1) To demonstrate initial compliance with a percent reduction emission limit in Table 1 to this subpart, you must conduct the performance test or design evaluation under conditions as specified in §63.7(e)(1), except that the performance test or design evaluation must be conducted under worst-case conditions. Also, the performance test for a control device used to control emissions from process vessels must be conducted according to §63.1257(b)(8), including the submittal of a site-specific test plan for approval prior to testing. The requirements in §63.997(e)(1)(i) and (iii) also do not apply for performance tests conducted to determine compliance with the emission limits for process vessels.

(2) For the initial compliance demonstration for condensers, you must determine uncontrolled emissions using the procedures specified in §63.1257(d)(2), and you must determine controlled emissions using the procedures specified in §63.1257(d)(3)(i)(B) and (iii).

(3) You must demonstrate that each process condenser is properly operated according to the procedures specified in §63.1257(d)(2)(i)(C)(4)(ii) and (d)(3)(iii)(B). The reference in §63.1257(d)(3)(iii)(B) to the alternative standard in §63.1254(c) does not apply for the purposes of this subpart. As an alternative to measuring the exhaust gas temperature, as required by §63.1257(d)(3)(iii)(B), you may elect to measure the liquid temperature in the receiver.

(4) You must conduct a performance test or compliance demonstration equivalent to an initial compliance demonstration within 360 hours of a change in operating conditions that are not considered to be within the previously established worst-case conditions.

*(e) Establishing operating limits.* You must establish operating limits under the conditions required for your initial compliance demonstration, except you may elect to establish operating limit(s) for conditions other than those under which a performance test was conducted as specified in paragraph (e)(1) of this section and, if applicable, paragraph (e)(2) of this section.

(1) The operating limits may be based on the results of the performance test and supplementary information such as engineering assessments and manufacturer's recommendations. These limits may be established for conditions as unique as individual emission episodes. You must provide rationale in the precompliance report for the specific level for each operating limit, including any data and calculations used to develop the limit and a description of why the limit indicates proper operation of the control device. The procedures provided in this paragraph (e)(1) have not been approved by the Administrator and determination of the operating limit using these procedures is subject to review and approval by the Administrator.

(2) If you elect to establish separate operating limits for different emission episodes, you must maintain records as specified in §63.8085(g) of each point at which you change from one operating limit to another, even if the duration of the monitoring for an operating limit is less than 15 minutes.

*(f) Averaging periods.* If you elect to establish separate operating limits for different emission episodes, you may elect to determine operating block averages instead of the daily averages specified in §63.998(b)(3). An operating block is a period of time that is equal to the time from the beginning to end of an emission episode or sequence of emission episodes.

*(g) Flow indicators.* If flow to a control device could be intermittent, you must install, calibrate, and operate a flow indicator at the inlet or outlet of the control device to identify periods of no flow. Periods of no flow may not be used in daily or block averages, and it may not be used in fulfilling a minimum data availability requirement.

### **§ 63.8010 What requirements apply to my storage tanks?**

(a) You must meet each emission limit in Table 2 to this subpart that applies to your storage tanks, and you must meet each applicable requirement specified in §63.8000(b). For each control device used to comply with Table 2 to this subpart, you must comply with subpart SS of this part 63 as specified in §63.8000(c), except as specified in §63.8000(d) and paragraphs (b) through (d) of this section.

(b) Exceptions to subparts SS and WW of this part 63. (1) If you conduct a performance test or design evaluation for a control device used to control emissions only from storage tanks, you must establish operating limits, conduct monitoring, and keep records using the same procedures as required in subpart SS of this part 63 for control devices used to reduce emissions from process vents instead of the procedures specified in §§63.985(c), 63.998(d)(2)(i), and 63.999(b)(2).

(2) When the term storage vessel is used in subparts SS and WW of this part 63, the term storage tank, as defined in §63.8105 applies for the purposes of this subpart.

(c) Planned routine maintenance. The emission limits in Table 2 to this subpart for control devices used to control emissions from storage tanks do not apply during periods of planned routine maintenance. Periods

of planned routine maintenance of each control device, during which the control device does not meet the emission limit specified in Table 2 to this subpart, must not exceed 240 hours per year (hr/yr). You may submit an application to the Administrator requesting an extension of this time limit to a total of 360 hr/yr. The application must explain why the extension is needed, it must indicate that no material will be added to the storage tank between the time the 240 hr/yr limit is exceeded and the control device is again operational, and it must be submitted at least 60 days before the 240 hr/yr limit will be exceeded.

(d) Vapor balancing alternative. As an alternative to the emission limits specified in Table 2 to this subpart, you may elect to implement vapor balancing in accordance with §63.1253(f), except as specified in paragraphs (d)(1) and (2) of this section.

(1) To comply with §63.1253(f)(6)(i), the owner or operator of an offsite cleaning and reloading facility must comply with §§63.7995 through 63.8105 instead of complying with §63.1253(f)(7)(ii).

(2) You may elect to set a pressure relief device to a value less than the 2.5 psig required in §63.1253(f)(5) if you provide rationale in your notification of compliance status report explaining why the alternative value is sufficient to prevent breathing losses at all times.

### **§ 63.8015 What requirements apply to my equipment leaks?**

(a) You must meet each requirement in Table 3 to this subpart that applies to your equipment leaks, except as specified in paragraphs (b) through (d) of this section.

(c) When §63.1036 refers to batch processes, any part of the miscellaneous coating manufacturing operations applies for the purposes of this subpart.

(d) For the purposes of this subpart, pressure testing for leaks in accordance with §63.1036(b) is not required after reconfiguration of an equipment train if flexible hose connections are the only disturbed equipment.

## **Notification, Reports, and Records**

### **§ 63.8070 What notifications must I submit and when?**

(a) You must submit all of the notifications in §§63.6(h)(4) and (5), 63.7(b) and (c), 63.8(e), (f)(4) and (6), 63.9(b) through (h) that apply to you by the dates specified.

(b) *Initial notification.* (1) As specified in §63.9(b)(2), if you have an existing affected source on December 11, 2003, you must submit an initial notification not later than 120 calendar days after December 11, 2003.

(2) As specified in §63.9(b)(3), if you start up your new affected source on or after December 11, 2003, you must submit an initial notification not later than 120 calendar days after you become subject to this subpart.

(c) *Notification of performance test.* If you are required to conduct a performance test, you must submit a notification of intent to conduct a performance test at least 60 calendar days before the performance test is scheduled to begin as required in §63.7(b)(1). For any performance test required as part of the initial compliance procedures for process vessels in Table 1 to this subpart, you must also submit the test plan required by §63.7(c) and the emission profile with the notification of the performance test.

### **§ 63.8075 What reports must I submit and when?**

(a) You must submit each report in Table 9 to this subpart that applies to you.

(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report as specified in Table 9 to this subpart and paragraphs (b)(1) and (2) of this section.

(1) The compliance reports must be submitted semiannually. The first report must be submitted no later than 240 days after the applicable compliance date and shall cover the 6-month period beginning on the compliance date. Each subsequent compliance report must cover the 6-month period following the preceding period.

(2) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in Table 9.

(c) *Precompliance report.* You must submit a precompliance report to request approval of any of the information in paragraphs (c)(1) through (4) of this section. We will either approve or disapprove the report within 90 days after we receive it. If we disapprove the report, you must still be in compliance with the emission limitations and work practice standards in this subpart by the compliance date.

(1) Requests for approval to set operating limits for parameters other than those specified in §§63.8005 through 63.8025, including parameters for enhanced biological treatment units. Alternatively, you may make these requests according to §63.8(f).

(2) Descriptions of daily or per batch demonstrations to verify that control devices subject to §63.8000(d)(3) are operating as designed.

(3) A description of the test conditions, data, calculations, and other information used to establish operating limits according to §63.8005(e)(1).

(4) If you comply with emissions averaging in §63.8050, the data and results of emission calculations as specified in §63.8050(c)(1) through (3), and rationale for why the sum of actual emissions will be less than the sum of emissions if the process vessels were controlled in accordance with Table 1 to this subpart as specified in §63.8050(c)(4).

(d) *Notification of compliance status report.* You must submit a notification of compliance status report according to the schedule in paragraph (d)(2) of this section, and the notification of compliance status report must include the information specified in paragraph (d)(2) of this section.

(1) You must submit the notification of compliance status report no later than 150 days after the applicable compliance date specified in §63.7995.

(2) The notification of compliance status report must include the information in paragraphs (d)(3)(i) through (vi) of this section.

(i) The results of any applicability determinations (e.g., HAP content of coating products; halogenated vent stream determinations; group determinations for storage tanks, wastewater, and transfer operations; and equipment that is in organic HAP service).

(ii) The results of performance tests, engineering analyses, design evaluations, flare compliance assessments, inspections and repairs, and calculations used to demonstrate initial compliance according to §§63.8005 through 63.8025 and 63.8055. For performance tests, results must include descriptions of sampling and analysis procedures and quality assurance procedures.

(iii) Descriptions of monitoring devices, monitoring frequencies, and the operating limits established during the initial compliance demonstrations, including data and calculations to support the levels you establish.

(iv) Identification of parts of the affected source that are subject to overlapping requirements described in §63.8090 and the authority under which you will comply.

(v) Identify storage tanks for which you are complying with the vapor balancing alternative in §63.8010(e).

(e) *Compliance report.* The compliance report must contain the information specified in paragraphs (e)(1) through (8) of this section.

(1) Company name and address.

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

(3) Date of report and beginning and ending dates of the reporting period.

(4) Applicable records and information for periodic reports as specified in referenced subparts F, SS, TT, UU, and WW of this part 63.

(5) For each SSM during which excess emissions occur, the compliance report must include the information specified in paragraphs (e)(5)(i) and (ii) of this section.

(i) Records that the procedures specified in your startup, shutdown, and malfunction plan (SSMP) were followed or documentation of actions taken that are not consistent with the SSMP.

(ii) A description of each malfunction.

(6) The compliance report must contain the information on deviations, as defined in §63.8105, according to paragraphs (e)(6)(i), (ii), and (iii) of this section.

(i) If there are no deviations from any emission limit, operating limit, or work practice standard specified in this subpart, include a statement that there were no deviations from the emission limits, operating limits, or work practice standards during the reporting period.

(ii) For each deviation from an emission limit, operating limit, and work practice standard that occurs at an affected source where you are not using a continuous monitoring system (CMS) to comply with the emission limit or work practice standards in this subpart, you must include the information in paragraphs (e)(6)(ii)(A) through (C) of this section.

(A) The total operating time of each affected source during the reporting period.

(B) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(C) Operating logs for the day(s) during which the deviation occurred, except operating logs are not required for deviations of the work practice standards for equipment leaks.

(8) Notification of process change. (i) Except as specified in paragraph (e)(8)(ii) of this section, whenever you change any of the information submitted in either the notification of compliance status report or any previously reported change to the notification of compliance status report, you must document the change in your compliance report. The notification must include all of the information in paragraphs (e)(8)(i)(A) and (B) of this section.

(A) Revisions to any of the information reported in the original notification of compliance status report under paragraph (d) of this section.

(B) Information required by the notification of compliance status report under paragraph (d) of this section for changes involving the addition of processes or equipment at the affected source.

(ii) You must submit a report 60 days before the scheduled implementation date of any of the changes identified in paragraphs (e)(8)(ii)(A), (B), or (C) of this section.

(A) Any change to the information contained in either the precompliance report or any previously reported change to the precompliance report.

(B) A change in the status of a control device from small to large.

(C) A change in compliance status.

### **§ 63.8080 What records must I keep?**

You must keep the records specified in paragraphs (a) through (g) of this section.

(a) Each applicable record required by subpart A of this part 63 and in referenced subparts SS, TT, UU, and WW of this part 63.

(b) If complying with emissions averaging, records of the monthly number of batches for each process vessel, the quarterly actual emissions for each process vessel, the quarterly estimated emissions for each process vessel if it had been controlled as specified in Table 1 to this subpart, and comparison of the sums of the quarterly actual and estimated emissions as specified in §63.8050(d).

(c) A record of each time a safety device is opened to avoid unsafe conditions in accordance with §63.8000(b)(2).

(f) In the SSMP required by §63.6(e)(3), you are not required to include Group 2 or non-affected emission points. For equipment leaks only, the SSMP requirement is limited to control devices and is optional for other equipment.

(g) If you establish separate operating limits as allowed in §63.8005(e), you must maintain a log of operation or a daily schedule indicating the time when you change from one operating limit to another.

### **§ 63.8095 What parts of the General Provisions apply to me?**

Table 10 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

### **§ 63.8100 Who implements and enforces this subpart?**

(a) This subpart can be implemented and enforced by us, the U.S. Environmental Protection Agency (U.S. EPA), or a delegated authority such as your State, local, or tribal agency. If the U.S. EPA Administrator has delegated authority to your State, local, or tribal agency, then that agency also has the authority to implement and enforce this subpart. You should contact your U.S. EPA Regional Office to find out if this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under 40 CFR part 63, subpart E, the authorities contained in paragraphs (b)(1) through (4) of this section are retained by the Administrator of U.S. EPA and are not delegated to the State, local, or tribal agency.

(1) Approval of alternatives to the non-opacity emission limits and work practice standards in §63.8000(a) under §63.6(g).

(2) Approval of major alternatives to test methods under §63.7(e)(2)(ii) and (f) and as defined in §63.90.

(3) Approval of major alternatives to monitoring under §63.8(f) and as defined in §63.90.

(4) Approval of major alternatives to recordkeeping and reporting under §63.10(f) and as defined in §63.90.

### **§ 63.8105 What definitions apply to this subpart?**

(a) For an affected source complying with the requirements in subpart SS of this part 63, the terms used in this subpart and in subpart SS of this part 63 have the meaning given them in §63.981, except as specified in §§63.8000(d)(5)(ii) and (7), 63.8010(c)(2), 63.8025(b), and paragraph (g) of this section.

(b) For an affected source complying with the requirements in subpart TT of this part 63, the terms used in this subpart and in subpart TT of this part 63 have the meaning given them in §63.1001.

(c) For an affected source complying with the requirements in subpart UU of this part 63, the terms used in this subpart and in subpart UU of this part 63 have the meaning given them in §63.1020.

(d) For an affected source complying with the requirements in subpart WW of this part 63, the terms used in this subpart and subpart WW of this part 63 have the meaning given them in §63.1061, except as specified in §§63.8000(d)(7), 63.8010(c)(2), and paragraph (g) of this section.

(e) For an affected source complying with requirements in §§63.1253, 63.1257, and 63.1258, the terms used in this subpart and in §§63.1253, 63.1257, and 63.1258 have the meaning given them in §63.1251, except as specified in §63.8000(d)(7) and paragraph (g) of this section.

(f) For an affected source complying with the requirements of §63.104, the terms used in this subpart and in §63.104 have the meaning given them in §63.101, except as specified in §63.8000(d)(7) and paragraph (g) of this section.

(g) All other terms used in this subpart are defined in the CAA, in 40 CFR 63.2, and in this paragraph (g). If a term is defined in §63.2, §63.981, §63.1001, §63.1020, §63.1061, or §63.1251 and in this paragraph (g), the definition in this paragraph (g) applies for the purposes of this subpart.

*Bulk loading* means the loading, into a tank truck or rail car, of liquid coating products that contain one or more of the organic HAP, as defined in section 112 of the CAA, from a loading rack. A loading rack is the system used to fill tank trucks and railcars at a single geographic site.

*Coating* means a material such as paint, ink, or adhesive that is intended to be applied to a substrate and consists of a mixture of resins, pigments, solvents, and/or other additives, where the material is produced by a manufacturing operation where materials are blended, mixed, diluted, or otherwise formulated. Coating does not include materials made in processes where a formulation component is synthesized by chemical reaction or separation activity and then transferred to another vessel where it is formulated to produce a material used as a coating, where the synthesized or separated component is not stored prior to formulation. Typically, coatings include products described by the following North American Industry Classification System (NAICS) codes, code 325510, Paint and Coating Manufacturing, code 325520, Adhesive and Sealant Manufacturing, and code 325910, Ink Manufacturing.

*Construction* means the onsite fabrication, erection, or installation of an affected source. Addition of new equipment to an affected source does not constitute construction, but it may constitute reconstruction of the affected source if it satisfies the definition of reconstruction in §63.2.

*Deviation* means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

(1) Fails to meet any requirement or obligation established by this subpart including, but not limited to, any emission limit, operating limit, or work practice standard;

(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(3) Fails to meet any emission limit, operating limit, or work practice standard in this subpart during startup, shutdown, or malfunction, regardless of whether or not such failure is permitted by this subpart.

*Enhanced biological treatment system* means an aerated, thoroughly mixed treatment unit(s) that contains biomass suspended in water followed by a clarifier that removes biomass from the treated water and recycles recovered biomass to the aeration unit. The mixed liquor volatile suspended solids (biomass) is greater than 1 kilogram per cubic meter throughout each aeration unit. The biomass is suspended and aerated in the water of the aeration unit(s) either by submerged air flow or mechanical agitation. A thoroughly mixed treatment unit is a unit that is designed and operated to approach or achieve uniform biomass distribution and organic compound concentration throughout the aeration unit by quickly dispersing the recycled biomass and the wastewater entering the unit.

*Excess emissions* means emissions greater than those allowed by the emission limit.

*Group 1a storage tank* means a storage tank at an existing source with a capacity greater than or equal to 20,000 gal storing material that has a maximum true vapor pressure of total organic HAP greater than or equal to 1.9 pounds per square inch, absolute (psia). Group 1a storage tank also means a storage tank at a new source with either a capacity greater than or equal to 25,000 gal storing material that has a maximum true vapor pressure of total HAP greater than or equal to 0.1 psia or a capacity greater than or equal to 20,000 gal and less than 25,000 gal storing material that has a maximum true vapor pressure of total HAP greater than or equal to 1.5 psia.

*Group 1b storage tank* means a storage tank at a new source that has a capacity greater than or equal to 10,000 gal, stores material that has a maximum true vapor pressure of total organic HAP greater than or equal to 0.02 psia, and is not a Group 1a storage tank.

*Group 2 storage tank* means a storage tank that does not meet the definition of a Group 1a or Group 1b storage tank.

*Group 1 transfer operations* means all bulk loading of coating products if the coatings contain greater than or equal to 3.0 million gallons per year (gal/yr) of HAP with a weighted average HAP partial pressure greater than or equal to 1.5 psia.

*Group 2 transfer operations* means bulk loading of coating products that does not meet the definition of Group 1 transfer operations, and all loading of coating products from a loading rack to other types of containers such as cans, drums, and totes.

*Group 1 wastewater stream* means a wastewater stream that contains total partially soluble and soluble HAP at an annual average concentration greater than or equal to 4,000 parts per million by weight (ppmw) and load greater than or equal to 750 pounds per year (lb/yr) at an existing source or greater than or equal to 1,600 ppmw and any partially soluble and soluble HAP load at a new source.

*Group 2 wastewater stream* means a wastewater stream that does not meet the definition of a Group 1 wastewater stream.

*Halogenated vent stream* means a vent stream determined to contain halogen atoms in organic compounds at a concentration greater than or equal to 20 ppmv as determined by the procedures specified in §63.8000(b).

*Hydrogen halide and halogen HAP* means hydrogen chloride, chlorine, and hydrogen fluoride.

*In organic HAP service* means that a piece of equipment either contains or contacts a fluid (liquid or gas) that is at least 5 percent by weight of total organic HAP as determined according to the provisions of §63.180(d). The provisions of §63.180(d) also specify how to determine that a piece of equipment is not in organic HAP service.

*Large control device* means a control device that controls total HAP emissions of greater than or equal to 10 tpy, before control.

*Maximum true vapor pressure* means the equilibrium partial pressure exerted by the total organic HAP in the stored or transferred liquid at the temperature equal to the highest calendar-month average of the liquid storage or transfer temperature for liquids stored or transferred above or below the ambient temperature or at the local maximum monthly average temperature as reported by the National Weather Service for liquids stored or transferred at the ambient temperature, as determined:

(1) In accordance with methods described in American Petroleum Institute Publication 2517, Evaporative Loss From External Floating-Roof Tanks (incorporated by reference as specified in §63.14 of subpart A of this part 63); or

(2) As obtained from standard reference texts; or

(3) As determined by the American Society for Testing and Materials Method D2879–83 (incorporated by reference as specified in §63.14 of subpart A of this part); or

(4) Any other method approved by the Administrator.

*Partially soluble HAP* means HAP listed in Table 7 of this subpart.

*Point of determination (POD)* means each point where process wastewater exits the miscellaneous coating operations.

Note to definition for point of determination: The regulation allows determination of the characteristics of a wastewater stream at the point of determination or downstream of the point of determination if corrections are made for changes in flow rate and annual average concentration of partially soluble and soluble HAP compounds as determined in §63.144. Such changes include losses by air emissions; reduction of annual average concentration or changes in flow rate by mixing with other water or wastewater streams; and reduction in flow rate or annual average concentration by treating or otherwise handling the wastewater stream to remove or destroy HAP.

*Process vessel* means any stationary or portable tank or other vessel with a capacity greater than or equal to 250 gal and in which mixing, blending, diluting, dissolving, temporary holding, and other processing steps occur in the manufacturing of a coating.

*Process vessel vent* means a vent from a process vessel or vents from multiple process vessels that are manifolded together into a common header, through which a HAP-containing gas stream is, or has the potential to be, released to the atmosphere. Emission streams that are undiluted and uncontrolled containing less than 50 ppmv HAP, as determined through process knowledge that no HAP are present in the emission stream or using an engineering assessment as discussed in §63.1257(d)(2)(ii), test data using Method 18 of 40 CFR part 60, appendix A, or any other test method that has been validated according to the procedures in Method 301 of appendix A of this part, are not considered process vessel vents. Flexible elephant trunk systems when used with closed vent systems and drawing ambient air (i.e., the system is not ducted, piped, or otherwise connected to the unit operations) away from operators when vessels are opened are not process vessel vents. Process vessel vents do not include vents on storage tanks, wastewater emission sources, or pieces of equipment subject to the requirements in Table 3 of this subpart. A gas stream going to a fuel gas system is not a process vessel vent. A gas stream routed to a process for a process purpose is not a process vessel vent.

*Recovery device, as used in the wastewater provisions*, means an individual unit of equipment used for the purpose of recovering chemicals for fuel value (i.e., net positive heating value), use, reuse, or for sale for fuel value, use, or reuse. Examples of equipment that may be recovery devices include organic removal devices such as decanters, strippers, or thin-film evaporation units. To be a recovery device, a decanter and any other equipment based on the operating principle of gravity separation must receive only multi-phase liquid streams. A recovery device is considered part of the miscellaneous coating manufacturing operations.

*Responsible official* means responsible official as defined in 40 CFR 70.2.

*Safety device* means a closure device such as a pressure relief valve, frangible disc, fusible plug, or any other type of device which functions exclusively to prevent physical damage or permanent deformation to a unit or its air emission control equipment by venting gases or vapors directly to the atmosphere during unsafe conditions resulting from an unplanned, accidental, or emergency event. For the purposes of this subpart, a safety device is not used for routine venting of gases or vapors from the vapor headspace underneath a cover such as during filling of the unit or to adjust the pressure in response to normal daily diurnal ambient temperature fluctuations. A safety device is designed to remain in a closed position during normal operations and open only when the internal pressure, or another relevant parameter, exceeds the device threshold setting applicable to the air emission control equipment as determined by the owner or operator based on manufacturer recommendations, applicable regulations, fire protection and prevention codes and practices, or other requirements for the safe handling of flammable, combustible, explosive, reactive, or hazardous materials.

*Shutdown* means the cessation of operation of an affected source, any process vessels within an affected source, or equipment required or used to comply with this subpart if steps taken to cease operation differ from those under routine procedures for removing the vessel or equipment from service. Shutdown also applies to the emptying and degassing of storage tanks.

*Small control device* means a control device that controls total HAP emissions of less than 10 tpy, before control.

*Soluble HAP* means the HAP listed in Table 8 of this subpart.

*Startup* means the setting in operation of a new affected source. For new equipment added to an affected source, including equipment required or used to comply with this subpart, startup means the first time the equipment is put into operation. Startup includes the setting in operation of equipment any time the steps taken differ from routine procedures for putting the equipment into operation.

*Storage tank* means a tank or other vessel that is used to store organic liquids that contain one or more HAP as raw material feedstocks or products. The following are not considered storage tanks for the purposes of this subpart:

- (1) Vessels permanently attached to motor vehicles such as trucks, railcars, barges, or ships;
- (2) Pressure vessels designed to operate in excess of 204.9 kilopascals and without emissions to the atmosphere;
- (3) Vessels storing organic liquids that contain HAP only as impurities;
- (4) Wastewater storage tanks; and
- (5) Process vessels.

*Total organic compounds or (TOC)* means the total gaseous organic compounds (minus methane and ethane) in a vent stream.

*Wastewater storage tank* means a stationary structure that is designed to contain an accumulation of wastewater and is constructed primarily of nonearthen materials (e.g., wood, concrete, steel, plastic) which provide structural support.

*Wastewater stream* means water that is discarded from miscellaneous coating manufacturing operations through a POD, and that contains an annual average concentration of total partially soluble and soluble HAP compounds of at least 1,600 ppmw at any flow rate. For the purposes of this subpart, noncontact cooling water is not considered a wastewater stream.

*Work practice standard* means any design, equipment, work practice, or operational standard, or combination thereof, that is promulgated pursuant to section 112(h) of the Clean Air Act.

*Table 1 to Subpart HHHHH of Part 63—Emission Limits and Work Practice Standards for Process Vessels*

As required in §63.8005, you must meet each emission limit and work practice standard in the following table that applies to your process vessels.

For Each	You Must	And you Must
2. Stationary process vessel at an existing source.	a. Equip the vessel with a cover or lid that must be in place at all times when the vessel contains a HAP; or.	i. Considering both capture and any combination of control (except a flare), reduce emissions by ≥75 percent by weight for each HAP with a vapor pressure ≥0.6 kPa and by ≥60 percent for each HAP with a vapor pressure <0.6 kPa.
	b. Equip the vessel with a tightly fitting vented cover or lid that must be closed at all times when the vessel contains HAP.	i. Reduce emissions of each HAP with a vapor pressure ≥0.6 kPa by ≥75 percent by weight and each HAP with a vapor pressure <0.6 kPa by ≥60 percent by weight by venting emissions through a closed-vent system to any combination of control devices (except a flare); or ii. Reduce emissions of total organic HAP by venting emissions from a non-halogenated vent stream through a closed-vent system to a flare; or iii. Reduce emissions of total organic HAP by venting emissions through a closed-vent system to a condenser that reduces the outlet gas temperature to: <10°C if the process vessel contains HAP with a partial pressure <0.6 kPa, or <2°C if the process vessel contains HAP with a partial pressure ≥0.6 kPa and <17.2 kPa, or <¥5°C if the process vessel contains HAP with a partial pressure ≥17.2 kPa.
4. Halogenated vent steam from a process vessel subject to the requirements of item 2 or 3 of this table for which you use a combustion control device to control organic HAP emissions.	a. Use a halogen reduction device after the combustion control device; or	i. Reduce overall emissions of hydrogen halide and halogen HAP by ≥95 percent; or ii. Reduce overall emissions of hydrogen halide and halogen HAP to ≤0.45 kilogram per hour (kg/hr).
	b. Use a halogen reduction device before the combustion control device.	Reduce the halogen atom mass emission rate to ≤0.45 kg/hr.

*Table 2 to Subpart HHHHH of Part 63—Emission Limits for Storage Tanks*

As required in §63.8010, you must meet each emission limit in the following table that applies to your storage tanks.

For Each	Then you Must
1. Group 1a storage tank	a. Comply with the requirements of subpart WW of this part, except as specified in § 63.8010(b); or b. Reduce total organic HAP emissions from the storage tank by ≥90 percent by weight by venting emissions through a closed-vent system to any combination of control devices (excluding a flare); or c. Reduce total organic HAP emissions from the storage tank by venting emissions from a non-halogenated vent stream through a closed-vent system to a flare.
2. Group 1b storage tank	a. Comply with the requirements of subpart WW of this part, except as specified in § 63.8010(b); or b. Reduce total organic HAP emissions from the storage tank by ≥80 percent by weight by venting emissions through a closed-vent system to any combination of control devices (excluding a flare); or c. Reduce total organic HAP emissions from the storage tank by venting emissions from a non-

<b>For Each</b>	<b>Then you Must</b>
	halogenated vent stream through a closed-vent system to a flare.

*Table 3 to Subpart HHHHH of Part 63—Requirements for Equipment Leaks*

As required in §63.8015, you must meet each requirement in the following table that applies to your equipment leaks.

<b>For All</b>	<b>You Must</b>
1. Equipment that is in organic HAP service at an existing source.	a. Comply with the requirements in §§ 63.424(a) through (d) and 63.428(e), (f), and (h)(4), except as specified in § 63.8015(b); or b. Comply with the requirements of subpart TT of this part; or c. Comply with the requirements of subpart UU of this part, except as specified in § 63.8015(c) and (d).

*Table 9 to Subpart HHHHH of Part 63—Requirements for Reports*

As required in §63.8075(a) and (b), you must submit each report that applies to you on the schedule shown in the following table:

<b>You must submit a</b>	<b>The report must contain .</b>	<b>You must submit the report</b>
1. Precompliance report	The information specified in § 63.8075(c)	At least 6 months prior to the compliance date; or for new sources, with the application for approval of construction or reconstruction.
2. Notification of compliance status report	The information specified in § 63.8075(d)	No later than 150 days after the compliance date specified in § 63.7995.
3. Compliance report	The information specified in § 63.8075(e)	Semiannually according to the requirements in § 63.8075(b).

Table 10 to Subpart HHHHH of Part 63—Applicability of General Provisions to Subpart HHHHH

As specified in §63.8095, the parts of the General Provisions that apply to you are shown in the following table:

Citation	Subject	Explanation
§ 63.1.....	Applicability.....	Yes.
§ 63.2.....	Definitions.....	Yes.
§ 63.3.....	Units and Abbreviations....	Yes.
§ 63.4.....	Prohibited Activities.....	Yes.
§ 63.5.....	Construction/Reconstruction	Yes.
§ 63.6(a).....	Applicability.....	Yes.
§ 63.6(b)(1)-(4).....	Compliance Dates for New and Reconstructed sources.	Yes.
§ 63.6(b)(5).....	Notification.....	Yes.
§ 63.6(b)(6).....	[Reserved].....	
§ 63.6(b)(7).....	Compliance Dates for New and Reconstructed Area Sources That Become Major.	Yes.
§ 63.6(c)(1)-(2).....	Compliance Dates for Existing Sources.	Yes.
§ 63.6(c)(3)-(4).....	[Reserved].....	
§ 63.6(c)(5).....	Compliance Dates for Existing Area Sources That Become Major.	Yes.
§ 63.6(d).....	[Reserved].....	
§ 63.6(e)(1)-(2).....	Operation & Maintenance	Yes.
§ 63.6(e)(3)(i), (ii), and (v) through (viii).	SSMP.....	Yes, except information regarding Group 2 emission points and equipment leaks is not required in the SSMP, as specified in § 63.8080(f).
§ 63.6(e)(3)(iii) and (iv).....	Recordkeeping and Reporting During Startup, Shutdown, and Malfunction (SSM).	No, §§ 63.998(d)(3) and 63.998(c)(1)(ii)(D) through (G) specify the recordkeeping requirement for SSM events, and § 63.8075(e)(5) specifies reporting requirements.
§ 63.6(e)(3)(ix).....	Title V permit.....	Yes.
§ 63.6(f)(1).....	Compliance Except During SSM.	Yes.
§ 63.6(f)(2)-(3).....	Methods for Determining Compliance.	Yes.
§ 63.6(g)(1)-(3).....	Alternative Standard.....	Yes.
§ 63.6(h).....	Opacity/Visible Emission (VE) Standards.	Only for flares for which Method 22 observations are required as part of a flare compliance assessment.
§ 63.6(i)(1)-(14).....	Compliance Extension.....	Yes.
§ 63.6(j).....	Presidential Compliance Exemption.	Yes.
§ 63.7(a)(1)-(2).....	Performance Test Dates.....	Yes, except substitute 150 days for 180 days.

Citation	Subject	Explanation
§ 63.7(a)(3)	CAA Section 114 Authority..	Yes, and this paragraph also applies to flare compliance assessments as specified under § 63.997(b)(2). Yes.
§ 63.7(b)(1)	Notification of Performance Test.	Yes.
§ 63.7(b)(2)	Notification of Rescheduling.	Yes.
§ 63.7(c)	Quality Assurance/Test Plan	Yes, except the test plan must be submitted with the notification of the performance test if the control device controls process vessels.
§ 63.7(d)	Testing Facilities.....	Yes.
§ 63.7(e)(1)	Conditions for Conducting Performance Tests.	Yes, except that performance tests for process vessels must be conducted under worst-case conditions as specified in § 63.8005.
§ 63.7(e)(2)	Conditions for Conducting Performance Tests.	Yes.
§ 63.7(e)(3)	Test Run Duration.....	Yes.
§ 63.7(f)	Alternative Test Method....	Yes.
§ 63.7(g)	Performance Test Data Analysis.	Yes.
§ 63.7(h)	Waiver of Tests.....	Yes.
§ 63.8(a)(1)	Applicability of Monitoring Requirements.	Yes.
§ 63.8(a)(2)	Performance Specifications.	Yes.
§ 63.8(a)(3)	[Reserved].....	
§ 63.8(a)(4)	Monitoring with Flares....	Yes.
§ 63.8(b)(1)	Monitoring.....	Yes.
§ 63.8(b)(2)-(3)	Multiple Effluents and Multiple Monitoring Systems.	Yes.
§ 63.8(c)(1)	Monitoring System Operation and Maintenance.	Yes.
§ 63.8(c)(1)(i)	Maintain and operate CMS...	Yes.
§ 63.8(c)(1)(ii)	Routine repairs.....	Yes.
§ 63.8(c)(1)(iii)	SSMP for CMS.....	Yes.
§ 63.8(c)(2)-(3)	Monitoring System Installation.	Yes.
§ 63.8(c)(4)	Requirements.....	Only for CEMS; requirements for CPMS are specified in referenced subpart SS of 40 CFR part 63. This subpart does not contain requirements for continuous opacity monitoring systems (COMS).
§ 63.8(c)(4)(i)	CMS Requirements.....	No. This subpart does not require COMS.
§ 63.8(c)(4)(ii)	CMS requirements.....	Yes.
§ 63.8(c)(5)	COMS Minimum Procedures....	No. This subpart does not contain opacity or VE limits.
§ 63.8(c)(6)	CMS Requirements.....	Only for CEMS; requirements for CPMS are specified in referenced subpart SS of 40 CFR part 63.

Citation	Subject	Explanation
§ 63.8(c)(7)-(8)	CMS Requirements	Only for CEMS. Requirements for CPMS are specified in referenced subpart SS of 40 CFR part 63.
§ 63.8(d)	CMS Quality Control	Only for CEMS; requirements for CPMS are specified in referenced subpart SS of 40 CFR part 63.
§ 63.8(e)	CMS Performance Evaluation	Section 63.8(e)(6)(ii) does not apply because this subpart does not require COMS. Other sections apply only for CEMS; requirements for CPMS are specified in referenced subpart SS of 40 CFR part 63.
§ 63.8(f)(1)-(5)	Alternative Monitoring Method.	Yes, except you may also request approval using the precompliance report.
§ 63.8(f)(6)	Alternative to Relative Accuracy Test.	Only for CEMS.
§ 63.8(g)(1)-(4)	Data Reduction	Only when using CEMS, except § 63.8(g)(2) does not apply because data reduction requirements for CEMS are specified in § 63.8000(d)(4)(iv). The requirements for COMS do not apply because this subpart has no opacity or VE limits.
§ 63.8(g)(5)	Data Reduction	No. Requirements for CEMS are specified in § 63.8000(d)(4). Requirements for CPMS are specified in referenced subpart SS of 40 CFR part 63.
§ 63.9(a)	Notification Requirements	Yes.
§ 63.9(b)(1)-(5)	Initial Notifications	Yes.
§ 63.9(c)	Request for Compliance Extension.	Yes.
§ 63.9(d)	Notification of Special Compliance Requirements for New Source.	Yes.
§ 63.9(e)	Notification of Performance Test.	Yes.
§ 63.9(f)	Notification of VE/Opacity Test.	No. This subpart does not contain opacity or VE limits.
§ 63.9(g)	Additional Notifications When Using CMS.	Only for CEMS; requirements for CPMS are specified in referenced subpart SS of 40 CFR part 63.
§ 63.9(h)(1)-(6)	Notification of Compliance Status.	Yes, except this subpart has no opacity or VE limits, and § 63.9(h)(2) does not apply because § 63.8075(d) specifies the required contents and due date of the notification of compliance status report.
§ 63.9(i)	Adjustment of Submittal Deadlines.	Yes.

Citation	Subject	Explanation
§ 63.9(j)	Change in Previous Information.	No, § 63.8075(e)(8) specifies reporting requirements for process changes.
§ 63.10(a)	Recordkeeping/Reporting....	Yes.
§ 63.10(b)(1)	Recordkeeping/Reporting....	Yes.
§ 63.10(b)(2)(i)-(iv)	Records related to SSM....	No, §§ 63.998(d)(3) and 63.998(c)(1)(ii)(D) through (G) specify recordkeeping requirements for periods of SSM.
§ 63.10(b)(2)(iii)	Records related to maintenance of air pollution control equipment.	Yes.
§ 63.10(b)(2)(vi), (x), and (xi)	CMS Records.....	Only for CEMS; requirements for CPMS are specified in referenced subpart SS of 40 CFR part 63.
§ 63.10(b)(2)(vii)-(ix)	Records.....	Yes.
§ 63.10(b)(2)(xii)	Records.....	Yes.
§ 63.10(b)(2)(xiii)	Records.....	Yes.
§ 63.10(b)(2)(xiv)	Records.....	Yes.
§ 63.10(b)(3)	Records.....	Yes.
§ 63.10(c)(1)-(6), (9)-(15)	Records.....	Only for CEMS; requirements for CPMS are specified in referenced subpart SS of 40 CFR part 63.
§ 63.10(c)(7)-(8)	Records.....	No. Recordkeeping requirements are specified in § 63.8080.
§ 63.10(d)(1)	General Reporting Requirements.	Yes.
§ 63.10(d)(2)	Report of Performance Test Results.	Yes.
§ 63.10(d)(3)	Reporting Opacity or VE Observations.	No. This subpart does not contain opacity or VE limits.
§ 63.10(d)(4)	Progress Reports.....	Yes.
§ 63.10(d)(5)(i)	SSM Reports.....	No, § 63.8075(e)(5) and (6) specify the SSM reporting requirements.
§ 63.10(d)(5)(ii)	Immediate SSM reports.....	No.
§ 63.10(e)(1)-(2)	Additional CMS Reports.....	Only for CEMS, but § 63.10(e)(2)(ii) does not apply because this subpart does not require COMS.
§ 63.10(e)(3)	Reports.....	No. Reporting requirements are specified in § 63.8075.
§ 63.10(e)(3)(i)-(iii)	Reports.....	No. Reporting requirements are specified in § 63.8075.
§ 63.10(e)(3)(iv)-(v)	Excess Emissions Reports...	No. Reporting requirements are specified in § 63.8075.
§ 63.10(e)(3)(vi-viii)	Excess Emissions Report and Summary Report.	No. Reporting requirements are specified in § 63.8075.
§ 63.10(e)(4)	Reporting COMS data.....	No. This subpart does not contain opacity or VE limits.

Citation	Subject	Explanation
§ 63.10(f)	Waiver for Recordkeeping/ Reporting.	Yes.
§ 63.11	Flares	Yes.
§ 63.12	Delegation	Yes.
§ 63.13	Addresses	Yes.
§ 63.14	Incorporation by Reference.	Yes.
§ 63.15	Availability of Information	Yes.

**E.1.3 One Time Deadlines Relating to NESHAP Miscellaneous Coating Manufacturing Requirements [40 CFR Part 63, Subpart HHHHH]**

- (a) The Permittee shall submit an Initial Notification no later than April 10, 2004 [40 CFR 63.8070(b)].
- (b) The Permittee shall submit a precompliance report no later than June 11, 2006, pursuant to 40 CFR 63.8075(c).
- (c) The Permittee shall submit notification of compliance status no later than May 10, 2007 [40 CFR 63.8075(d)].
- (d) The Permittee shall submit a first Semi-annual Compliance Report no later than August 8, 2007 [40 CFR 63.8075(e)].

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

### PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Flint Group North America Corporation  
Source Address: 3025 West Old Road 30, Warsaw, IN 46580  
Mailing Address: 3025 West Old Road 30, Warsaw, IN 46580  
Part 70 Permit No.: T085-21743-00037

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

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

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Flint Group North America Corporation  
Source Address: 3025 West Old Road 30, Warsaw, IN 46580  
Mailing Address: 3025 West Old Road 30, Warsaw, IN 46580  
Part 70 Permit No.: T085-21743-00037

**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>C 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>C 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

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency?    Y    N
Type of Pollutants Emitted: TSP, PM-10, SO <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 DATA SECTION

## Part 70 Quarterly Report

Source Name: Flint Group North America Corporation  
Source Address: 3025 West Old Road 30, Warsaw, IN 46580  
Mailing Address: 3025 West Old Road 30, Warsaw, IN 46580  
Part 70 Permit No.: T085-21743-00037  
Facility: yellow ink and concentrate tanks (V102-V103)  
Parameter: Material input  
Limit: The total amount of material input to the yellow ink and concentrate tanks (V102-V103) shall be limited to 37,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month and VOC emissions shall not exceed 1.33 pounds per ton of inks and concentrate. This usage limit is required to limit the potential to emit of VOC to less than 25 tons per twelve (12) consecutive month period.

YEAR:

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.  
Deviation has been reported on:

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

Attach a signed certification to complete this report.

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

## Part 70 Quarterly Report

Source Name: Flint Group North America Corporation  
Source Address: 3025 West Old Road 30, Warsaw, IN 46580  
Mailing Address: 3025 West Old Road 30, Warsaw, IN 46580  
Part 70 Permit No.: T085-21743-00037  
Facility: blue or black ink / concentrate tanks (V105-V106)  
Parameter: Material input  
Limit: The total amount of material input to the blue or black ink and concentrate tanks (V105-V106) shall be limited to 37,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month and VOC emissions shall not exceed 1.33 pounds per ton of inks and concentrate. This usage limit is required to limit the potential to emit of VOC to less than 25 tons per twelve (12) consecutive month period.

YEAR:

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

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

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

Attach a signed certification to complete this report.

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

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

Source Name: Flint Group North America Corporation  
Source Address: 3025 West Old Road 30, Warsaw, IN 46580  
Mailing Address: 3025 West Old Road 30, Warsaw, IN 46580  
Part 70 Permit No.: T085-21743-00037

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

Page 1 of 2

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

### Addendum to the Technical Support Document (TSD) for a Part 70 Operating Permit Renewal

#### Source Background and Description

<b>Source Name:</b>	<b>Flint Group North America Corporation</b>
<b>Source Location:</b>	<b>3025 West Old Road 30, Warsaw, IN 46580</b>
<b>County:</b>	<b>Kosciusko</b>
<b>SIC Code:</b>	<b>2893</b>
<b>Operation Permit No.:</b>	<b>T085-21743-00037</b>
<b>Permit Reviewer:</b>	<b>Alic Bent/EVP</b>

On March 23, 2007, the Office of Air Quality (OAQ) had a notice published in the Times Union, Warsaw, Indiana, stating that Flint Group North America Corporation had applied for a Part 70 permit renewal for the operation of a stationary printing ink production plant. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On April 20, 2007, OAQ received comments from Flint Group North America Corporation on the proposed Part 70 permit renewal. Upon further consideration, IDEM, OAQ has decided to make changes to the permit as indicated below. The summary of the comments and corresponding responses is shown below. Changes made to the permit as a result of the comments are shown in bold and deleted permit language is shown with a line through it. Any permit changes affecting the permit's Table of Contents are also revised without replication herein.

#### **Comment 1:**

Flint Ink North America has changed its name to Flint Group North America Corporation. Also, the mailing address of the Warsaw facility has been changed to the facility site address, instead of the P.O. Box address previously used.

#### **Response to Comment 1:**

The name and mailing address of the source have been revised throughout the permit as shown below:

Flint ~~Ink~~ **Group** North America Corporation

Mailing Address: ~~P.O. Box 287,~~ 3025 West Old Road 30, Warsaw, IN 46580-0287

Upon further review IDEM, OAQ has made the following changes to the FESOP (additions in **bold**, deletions in ~~strikeout~~):

1. Condition B.10 has been revised since the Permittee has not chosen to have the more general condition appear in section B and the Preventive Maintenance Plan requirement is still in section D.

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

---

~~(a) The Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) for the source as described in 326 IAC 1-6-3. At a minimum, the PMPs shall include:~~

**(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:**

2. Condition C.15 has been revised to correct grammatical errors:

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

---

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in ~~one hundred and twenty~~ **one hundred twenty** (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

3. The following addresses throughout the permit have been revised to include the mailing codes for each respective department. Mailing code MC61-50 has been added for Technical Support and Modeling addresses. Mailing code MC61-52 has been added for Asbestos Section addresses. Mailing code MC61-53 has been added for Permits Branch, Compliance Branch, Compliance Data Section addresses and to the cover page of the permit.

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

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
**MC 61-52 IGCN 1003**  
Indianapolis, Indiana 46204-2251

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

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
**MC 61-53 IGCN 1003**  
Indianapolis, Indiana 46204-2251

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

100 North Senate Avenue  
**MC 61-53 IGCN 1003**  
Indianapolis, Indiana 46204-2251  
(317) 232-8603  
(800) 451-6027  
[www.IN.gov/idem](http://www.IN.gov/idem)

4. The visible emission notations condition has been revised to delete the phrase "when venting to the atmosphere". This phrase is not needed for units that always vent outdoors. Therefore, D.2.5(a) has been revised as follows:

D.2.5 Visible Emissions Notations

- (a) Visible emission notations of the handling of pigments, waxes, clays and other dry materials stack exhaust shall be performed once per day during normal daylight operations ~~when exhausting to the atmosphere~~. A trained employee shall record whether emissions are normal or abnormal.

5. Conditions D.2.8(a) and D.2.8(b) have been revised as follows for clarification:

D.2.8 Record Keeping Requirements

- (a) To document compliance with Condition D.2.5, the Permittee shall maintain records of visible emission notations of the handling of pigments, waxes, clays and other dry materials stack exhaust once per day. **The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (i.e. the process did not operate that day).**
- (b) To document compliance with Condition D.2.6, the Permittee shall maintain records once per day of the pressure drop. **The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading, (i.e. the process did not operate that day).**

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

Technical Support Document (TSD) for a Part 70 Operating Permit Renewal

**Source Background and Description**

<b>Source Name:</b>	<b>Flint Ink North America Corporation</b>
<b>Source Location:</b>	<b>3025 West Old Road 30, Warsaw, IN 46580</b>
<b>County:</b>	<b>Kosciusko</b>
<b>SIC Code:</b>	<b>2893</b>
<b>Operation Permit No.:</b>	<b>T085-7115-00037</b>
<b>Operation Permit Issuance Date:</b>	<b>June 8, 2001</b>
<b>Permit Renewal No.:</b>	<b>T085-21743-00037</b>
<b>Permit Reviewer:</b>	<b>Alic Bent/EVP</b>

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit Renewal application from Flint Ink North America Corporation relating to the operation of a printing ink production plant.

**Permitted Emission Units and Pollution Control Equipment**

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

- (a) one (1) ink and concentrate mixing area, installed in 1981, exhausting to the interior of the building, and consisting of the following units which are equipped with tightly fitting covers/lids and individual condensers to achieve compliance with 40 CFR 63, Subpart HHHHH:
- (1) two (2) V series beveled bottom fixed roof dome tanks, identified as V100-V101, each with a maximum capacity of 4,000 gallons of clear ink and concentrate;
  - (2) two (2) V series beveled bottom fixed roof dome tanks, identified as V102-V103, each with a maximum capacity of 4,000 gallons of yellow ink and concentrate;
  - (3) one (1) V series beveled bottom fixed roof dome tank, identified as V104, with a maximum capacity of 4,000 gallons of red ink and concentrate;
  - (4) one (1) V series beveled bottom fixed roof dome tank, identified as V105, with a maximum capacity of 4,000 gallons of blue or black ink and concentrate;
  - (5) one (1) V series beveled bottom fixed roof dome tank, identified as V106, with a maximum capacity of 4,000 gallons of blue or black ink and concentrate (installed in 2005);
  - (6) one (1) Ink Loading (Finished Ink) operation, exhausting to the atmosphere;
  - (7) one (1) Ink Loading (Resinate) operation, exhausting to the atmosphere;
  - (8) one (1) Ink Loading, In (Toluene) operation, exhausting to the atmosphere;
  - (9) one (1) Ink Loading, Out (Toluene) operation, exhausting to the atmosphere; and

- (10) three (3) V series fixed roof dome tanks, identified as PM101 through PM103, each with a maximum capacity of 375 gallons of custom inks and concentrate.
- (b) one (1) exterior raw material storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
    - (1) three (3) V series fixed roof dome tanks, identified as V502 through V504, each with a maximum capacity of 17,000 gallons of toluene;
    - (2) two (2) V series fixed roof dome tanks, identified as V505 and V506, each with a maximum capacity of 30,000 gallons of resinate;
    - (3) one (1) V series beveled bottom fixed roof dome tank, identified as V507, with a maximum capacity of 25,000 gallons of resinate (installed 2005); and
    - (4) one (1) V series beveled bottom fixed roof dome tank, identified as V211, with a maximum capacity of 25,000 gallons of resinate (installed 2005 and moved to the interior of facility building).
  - (c) one (1) concentrate surge area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
    - (1) three (3) V series fixed roof dome tanks, identified as V151, V160 and V161, each with a maximum capacity of 500 gallons of concentrate; and
    - (2) one (1) V series fixed roof dome tank, identified as V150, with a maximum capacity of 200 gallons of concentrate (installed 2005).
  - (d) one (1) intermediate storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
    - (1) six (6) V series fixed roof dome tanks, identified as V203, V204, V205, V207, V400, and V403 each with a maximum capacity of 10,000 gallons of concentrate;
    - (2) two (2) V series fixed roof dome tanks, identified as V208 and V213, each with a maximum capacity of 6,200 gallons of concentrate;
    - (3) two (2) V series fixed roof dome tanks, identified as Intermediate Storage Tanks V209 and V210 each with a maximum capacity of 10,000 gallons of Gilsonite and concentrate, respectively (installed 2005); and
    - (4) three (3) V series fixed roof dome tanks, identified as Blending Tanks V107, V108, and V109 each with a maximum capacity of 6,200 gallons of concentrate (installed 2005).
  - (e) one (1) finished ink storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
    - (1) six (6) V series cone bottom fixed roof dome tanks, identified as V401, V402, V404 through V407, each with a maximum capacity of 10,000 gallons of ink; and

- (2) two (2) V series fixed roof dome tanks, identified as Finished Ink Storage Tanks V408 and V409 each with a maximum capacity of 10,000 gallons of finished ink (installed 2005).
- (f) Loading racks for loading finished product and solvents, installed in 1981, with a maximum capacity of 12,000 gallons per hour; and
- (g) Building vents (CEF-1 and CEF-2) and dust collector exhaust (F-701) venting indoor VOCs from piping losses and mixing tank losses to the atmosphere, installed in 1981.

Under NESHAP 40 CFR Subpart HHHHH the above listed units are each considered an existing affected source because the construction of the source commenced prior to April 4, 2002 and the source is not reconstructed.

- (h) Handling of pigments, waxes, clays and other dry materials, using a baghouse as particulate control (maximum total process weight rate of 18 tons per hour of dry materials).

### **Unpermitted Emission Units and Pollution Control Equipment**

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

### **Insignificant Activities**

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour;
  - (1) one (1) space heater with a rated heat input of 1.71 mmBtu per hour,
  - (2) one (1) space heater with a rated heat input of 0.65mmBtu per hour,
  - (3) two (2) space heaters each with a rated heat input of 0.15 mmBtu per hour (0.30 mmBtu per hour total),
  - (4) one (1) space heater with a rated heat input of 0.412 mmBtu per hour,
  - (5) one (1) 6.278 mmBtu/hr boiler, installed in 1981. [326 IAC 6-2-3] [40 CFR 63, Subpart DDDDD]

Under NESHAP, Subpart DDDDD, the one (1) natural gas fired boiler is considered an existing small gaseous unit.

- (b) Natural draft cooling towers not regulated under a NESHAP;
- (c) Paved and unpaved roads and parking lots with public access;
- (d) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower;
- (e) A laboratory as defined in 326 IAC 2-7-1 (21)(D);
- (f) VOC and HAP storage containers:

- (1) Storage tanks with a capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons.
- (2) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (g) Application of oils, greases, lubricants, and other nonvolatile materials applied as temporary protective coatings.
- (h) Cleaners and solvents characterized as follows:
  - (1) Having a vapor pressure equal to or less than 2kPa, 12mm Hg, or 0.3 psi measured at 38 degrees C (100°F), or
  - (2) Having a vapor pressure equal to or less than 0.7 kPa, 5 mm HG, or 0.1 psi measured at 20 degrees C (68°F),

The use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

- (i) Closed loop heating and cooling systems.
- (j) Any operation using aqueous solutions containing less than 1% by weight VOCs excluding HAPs.
- (k) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (l) Heat exchanger cleaning and repair.
- (m) Process vessel degreasing and cleaning to prepare for internal repairs.
- (n) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

### Existing Approvals

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

- (a) Part 70 Permit No.: 085-7115-00037, issued on June 8, 2001;
- (b) First Significant Source Modification No.: 085-21130-00037, issued on August 15, 2005;
- (c) First Administrative Amendment No.: 085-20789-00037, issued on August 31, 2005; and
- (d) First Significant Permit Modification No.: 085-21255-00037, issued on September 2, 2005.

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

### Enforcement Issue

There are no enforcement actions pending.

### Recommendation

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

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

An administratively complete Part 70 permit renewal application for the purposes of this review was received on September 8, 2005.

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

### Emission Calculations

See Appendix A: pages 1 through 6 of this document for detailed emission calculations.

### Uncontrolled Emissions

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

Pollutant	Potential to Emit (tons/yr)
PM	157.99
PM-10	19.70
SO <sub>2</sub>	0.02
VOC	134.58
CO	3.46
NO <sub>x</sub>	4.12

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAPs	Potential to Emit (tons/yr)
Ethylbenzene	0.63
Toluene	130.10
Xylene	2.26
Total	132.99

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of VOC is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

### Potential to Emit of the Source

The source was issued a Part 70 Operating Permit on June 8, 2001. The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered enforceable only after issuance of the original Part 70 operating Permit 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 (tons/year)						
	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Clear Ink and Concentrate tanks (V100 and V101)	0.00	0.00	0.00	18.08	0.00	0.00	Single HAP - 17.22 Total HAPs - 17.73
Yellow Ink and Concentrate tanks (V102 and V103)	0.00	0.00	0.00	< 25 (1)	0.00	0.00	Single HAP - 25.0 Total HAPs - 25.9
Red Ink and Concentrate tanks (V104)	0.00	0.00	0.00	14.85	0.00	0.00	Single HAP - 14.13 Total HAPs - 14.64
Blue or Black Ink and Concentrate Tanks (V105-V106)	0.00	0.00	0.00	< 25 (1)	0.00	0.00	Single HAP - 25.05 Total HAPs - 25.96
Ink and Concentrate tanks (V150, V151, V160 and V161, V203, V204, V205, V207, V208, V209, V210 and V213)	0.00	0.00	0.00	1.33	0.00	0.00	Single HAP - 1.28 Total HAPs - 1.30
Ink tanks (V400 through V409)	0.00	0.00	0.00	1.52	0.00	0.00	Single HAP - 1.45 Total HAPs - 1.50
Outdoor Tanks (V502 through V507 and V211)	0.00	0.00	0.00	1.78	0.00	0.00	Single HAP - 1.78 Total HAPs - 1.78
Ink Loading (Finished Ink)	0.00	0.00	0.00	7.63	0.00	0.00	Single HAP - 7.63 Total HAPs - 7.63
Ink Loading (Resinate)	0.00	0.00	0.00	10.64	0.00	0.00	Single HAP - 10.64 Total HAPs - 10.64
Ink Loading, In (Toluene)	0.00	0.00	0.00	6.35	0.00	0.00	Single HAP - 6.35 Total HAPs - 6.35
Ink Loading, Out (Toluene)	0.00	0.00	0.00	19.05	0.00	0.00	Single HAP - 19.05 Total HAPs - 19.05
Ink tanks PM101 through PM102	0.00	0.00	0.00	0.22	0.00	0.00	Single HAP - 0.21 Total HAPs - 0.22
Concentrate tanks V107 through V109	0.00	0.00	0.00	0.30	0.00	0.00	Single HAP - 0.28 Total HAPs - 0.29
Handling of dry materials	15.78	1.94	0.00	0.00	0.00	0.00	0.00
Insignificant Activities	0.31	0.31	0.02	0.23	3.46	4.12	Neg.
<b>Total PTE</b>	<b>16.09</b>	<b>2.25</b>	<b>0.02</b>	<b>131.98</b>	<b>3.46</b>	<b>4.12</b>	Single HAP - 130.08 Total HAPs - 132.99

\* Insignificant Activities include natural gas combustion and material handling.

(1) Limited to avoid 326 IAC 8-1-6 (BACT).

- (a) The source is not subject to PSD.

- (b) **Fugitive Emissions**  
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD applicability.

### Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2003 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	No data
PM-10	No data
SO <sub>2</sub>	No data
VOC	73
CO	No data
NO <sub>x</sub>	No data
HAP (specify)	No data

### County Attainment Status

The source is located in Kosciusko County.

Pollutant	Status
PM2.5	Attainment
PM-10	Attainment
SO <sub>2</sub>	Attainment
NO <sub>2</sub>	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) 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 emissions and NO<sub>x</sub> are considered when evaluating the rule applicability relating to ozone. Kosciusko County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and NO<sub>x</sub> were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (b) Kosciusko County has been classified as unclassifiable or attainment for PM<sub>2.5</sub>. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM 2.5 emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM<sub>2.5</sub> emissions, it has directed states to regulate PM<sub>10</sub> emissions as surrogate for PM<sub>2.5</sub> emissions. See the State Rule Applicability for the source section.

- (c) Kosciusko 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. See the State Rule Applicability for the source section.
- (d) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.

### Part 70 Permit Conditions

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

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.
- (b) Monitoring and related record keeping requirements which assure that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

### Federal Rule Applicability

- (a) This Part 70 source does not include a pollutant-specific emissions units as defined in 40 CFR 64.1:
  - (1) with the potential to emit before controls equal to or greater than one hundred (100) tons per year;
  - (2) that is subject to an emission standard and has a control device that is necessary to meet that limit; and
  - (3) uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard.

Therefore, the requirements of 40 CFR Part 64, Compliance Assurance Monitoring, are not applicable to this source.
- (b) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.40c, Subpart Dc) "Standards of Performance for Small Industrial Commercial Institutional Steam Generating Units" are not included in the permit for the one (1) natural gas fired boiler, rated at 6.3 MMBtu per hour, because the boiler has a heat input capacity less than ten million British thermal units per hour.
- (c) The requirements of the New Source Performance Standards, 326 IAC 12, (40 CFR 60.110-112(a), Subpart K) are not included in the permit for the fixed roof dome tanks (V100-109, V150, V151, V160, V161, V203-205, V207-211, V213, V400-409, V502-507 and PM 101-103), because the fixed roof dome tanks were constructed after May 19, 1978 and have storage capacities less than 40,000 gallons.
- (d) The requirements of the New Source Performance Standards, 326 IAC 12, (40 CFR 60.110-112(a), Subpart Ka) are not included in the permit for the fixed roof dome tanks (V100-109, V150, V151, V160, V161, V203-205, V207-211, V213, V400-409, V502-507 and PM 101-103), because the fixed roof dome tanks have storage capacities less than 40,000 gallons.

- (e) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.112b , Subpart Kb) are not included in the permit for fixed roof dome tanks (V100-105, V151, V160, V161, V203-205, V207, V208, V213, V400-407, V502-506 and PM 101-103), because the fixed roof dome tanks were constructed or modified prior to the July 23, 1984 applicability date.
- (f) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.112b , Subpart Kb) are not included in the permit for fixed roof dome tanks (V106-109, V150, V209-210, V408 and V409), because the fixed roof dome tanks have storage capacities less than 75 m<sup>3</sup>.
- (g) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.112b , Subpart Kb) are not included in the permit for fixed roof dome tanks (V507 and V211), because the fixed roof dome tanks are storing a liquid with a maximum true vapor pressure less than 15.0 kPa.
- (h) The requirements of the New Source Performance Standards, 326 IAC 12, (40 CFR 60.430-435, Subpart QQ) are not included in the permit for this source, because this source is a printing ink production plant and does not consist of any packaging rotogravure, publication rotogravure, or flexographic printing operations.
- (i) The requirements of the New Source Performance Standards, 326 IAC 12, (40 CFR 60.110-112(a), Subpart FFF) are not included in the permit for this source, because this source is a printing ink production plant and does not conduct any flexible vinyl and urethane coating or printing operations.
- (j) The one (1) natural gas fired boiler, rated at 6.3 MMBtu per hour, is subject to the requirements of 40 CFR 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters. This unit is considered an existing small gaseous fuel unit, as defined by 40 CFR 63.7575. Pursuant to 40 CFR 63.7506(c)(3), there are no requirements that apply to the existing affected source for the small gaseous fuel subcategory.

Under NESHAP, Subpart DDDDD, the one (1) natural gas fired boiler is considered an existing affected source because the construction of the source commenced prior to June 13, 2002, and the source is not reconstructed.

Non applicable portions of the NESHAP will not be included in the permit. This source is subject to the following portion of Subpart DDDDD.

- (1) 40 CFR 63.7480;
- (2) 40 CFR 63.7485;
- (3) 40 CFR 63.7490 (a)(1) and (d);
- (4) 40 CFR 63.7495 (b);
- (5) 40 CFR 63.7499; and
- (6) 40 CFR 63.7506 (c)(3).

- (k) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), Subpart T are not included in the permit for the cleaners and solvent operations at the source, because the solvents used do not contain any of the following halogenated solvents in concentrations greater than five percent by weight: methylene chloride, 1,1,1-trichloroethane, trichloroethylene, perchloroethylene, carbon tetrachloride, or chloroform.
- (l) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), (40 CFR 63.820-839, Subpart KK) are not included in the permit for this source, because this source does not operate any publication rotogravure, product and packaging rotogravure, or wide-web flexographic printing presses.
- (m) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs), Paper and Other Web (Surface Coating), 40 CFR 63.3280 (Subpart JJJJ) are not included in the permit for this source, because this source is a printing ink production plant and does not operate any web coating lines.
- (n) This source is subject to the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63, Subpart HHHHH because the source is a major source of HAPs and also meets the definition of miscellaneous coating manufacturing facility, as defined in 40 CFR 63.7585(a). Therefore, the requirements of National Emission Standards for Hazardous Air Pollutants: Miscellaneous Coating Manufacturing, (40 CFR 63, Subpart HHHHH) are included in the permit.

Pursuant to 40 CFR 63.7990(c), this source is an existing affected source because the construction of the source commenced prior to April 4, 2002 and the source is not reconstructed. The specific affected facilities include:

- (a) one (1) ink and concentrate mixing area, installed in 1981, exhausting to the interior of the building, and consisting of the following units which are equipped with tightly fitting covers/lids and individual condensers to achieve compliance with 40 CFR 63, Subpart HHHHH:
  - (1) two (2) V series beveled bottom fixed roof dome tanks, identified as V100-V101, each with a maximum capacity of 4,000 gallons of clear ink and concentrate;
  - (2) two (2) V series beveled bottom fixed roof dome tanks, identified as V102-V103, each with a maximum capacity of 4,000 gallons of yellow ink and concentrate;
  - (3) one (1) V series beveled bottom fixed roof dome tank, identified as V104, with a maximum capacity of 4,000 gallons of red ink and concentrate;
  - (4) one (1) V series beveled bottom fixed roof dome tank, identified as V105, with a maximum capacity of 4,000 gallons of blue or black ink and concentrate;
  - (5) one (1) V series beveled bottom fixed roof dome tank, identified as V106, with a maximum capacity of 4,000 gallons of blue or black ink and concentrate (installed in 2005);
  - (6) one (1) Ink Loading (Finished Ink) operation, exhausting to the atmosphere;
  - (7) one (1) Ink Loading (Resinate) operation, exhausting to the atmosphere;

- (8) one (1) Ink Loading, In (Toluene) operation, exhausting to the atmosphere;
  - (9) one (1) Ink Loading, Out (Toluene) operation, exhausting to the atmosphere; and
  - (10) three (3) V series fixed roof dome tanks, identified as PM101 through PM103, each with a maximum capacity of 375 gallons of custom inks and concentrate.
- (b) one (1) exterior raw material storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
- (1) three (3) V series fixed roof dome tanks, identified as V502 through V504, each with a maximum capacity of 17,000 gallons of toluene;
  - (2) two (2) V series fixed roof dome tanks, identified as V505 and V506, each with a maximum capacity of 30,000 gallons of resinate;
  - (3) one (1) V series beveled bottom fixed roof dome tank, identified as V507, with a maximum capacity of 25,000 gallons of resinate (installed 2005); and
  - (4) one (1) V series beveled bottom fixed roof dome tank, identified as V211, with a maximum capacity of 25,000 gallons of resinate (installed 2005 and moved to the interior of facility building).
- (c) one (1) concentrate surge area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
- (1) three (3) V series fixed roof dome tanks, identified as V151, V160 and V161, each with a maximum capacity of 500 gallons of concentrate; and
  - (2) one (1) V series fixed roof dome tank, identified as V150, with a maximum capacity of 200 gallons of concentrate (installed 2005).
- (d) one (1) intermediate storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
- (1) six (6) V series fixed roof dome tanks, identified as V203, V204, V205, V207, V400, and V403 each with a maximum capacity of 10,000 gallons of concentrate;
  - (2) two (2) V series fixed roof dome tanks, identified as V208 and V213, each with a maximum capacity of 6,200 gallons of concentrate;
  - (3) two (2) V series fixed roof dome tanks, identified as Intermediate Storage Tanks V209 and V210 each with a maximum capacity of 10,000 gallons of Gilsonite and concentrate, respectively (installed 2005); and

- (4) three (3) V series fixed roof dome tanks, identified as Blending Tanks V107, V108, and V109 each with a maximum capacity of 6,200 gallons of concentrate (installed 2005).
- (e) one (1) finished ink storage area, installed in 1981, exhausting to the atmosphere, and consisting of the following units which are equipped with vapor recovery/balancing technology to achieve compliance with 40 CFR 63, Subpart HHHHH:
  - (1) six (6) V series cone bottom fixed roof dome tanks, identified as V401, V402, V404 through V407, each with a maximum capacity of 10,000 gallons of ink; and
  - (2) two (2) V series fixed roof dome tanks, identified as Finished Ink Storage Tanks V408 and V409 each with a maximum capacity of 10,000 gallons of finished ink (installed 2005).
- (f) Loading racks for loading finished product and solvents, installed in 1981, with a maximum capacity of 12,000 gallons per hour; and
- (g) Building vents (CEF-1 and CEF-2) and dust collector exhaust (F-701) venting indoor VOCs from piping losses and mixing tank losses to the atmosphere, installed in 1981.

Non applicable portions of the NESHAP will not be included in the permit. This source is subject to the following portions of Subpart HHHHH.

- (1) 40 CFR 63.7980;
- (2) 40 CFR 63.7985 (a)(1)(2)(3)(4), (b)(1)(2)(3)(4), (c) and (d)(1)(2)(3)(4)(5);
- (3) 40 CFR 63.7990 (a) and (b);
- (4) 40 CFR 63.7995 (b) and (d);
- (5) 40 CFR 63.8000 (a), (b)(1)(2), (c)(1)(2), (d)(1)(i) through (v), (2), (3), (6), (7)(i) through (iii);
- (6) 40 CFR 63.8005 (a)(1)(i)(ii), (2), (b), (c), (d)(1)(2)(3)(4), (e)(1)(2), (f) and (g);
- (7) 40 CFR 63.8010 (a), (b)(1)(2), (c) and (d)(1)(2);
- (8) 40 CFR 63.8015 (a), (c) and (d);
- (9) 40 CFR 63.8070 (a), (b)(1)(2) and (c);
- (10) 40 CFR 63.8075 (a), (b)(1)(2), (c)(1)(2)(3)(4), (d)(1)(2)(i) through (v), (e)(1) through (5)(i)(ii), (6)(i)(ii)(A)(B)(C), (8)(i)(A)(B), (ii) (A) through (C);
- (11) 40 CFR 63.8080 (a), (b), (c), (f) and (g);
- (12) 40 CFR 63.8095;
- (13) 40 CFR 63.8100 (a) and (b)(1) through (4);

(14) 40 CFR 63.8105 (a) through (g); and

(15) Tables 1, 2, 3, 9 and 10.

### **State Rule Applicability – Entire Source**

#### **326 IAC 2-2 (Prevention of Significant Deterioration, (PSD))**

This source was constructed prior to the rule applicability date of August 7, 1977 and is not considered a major source because it is not one of the 28 listed source categories, no major modifications were done, and it has the potential to emit before controls of less than 250 tons per year of any criteria pollutant. Therefore, this source is not a major source for the purposes of 326 IAC 2-2 (PSD).

#### **326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))**

Pursuant to 326 IAC 2-4.1 (New Source Toxics Control), any new process or production unit, which in and of itself emits or has the potential to emit (PTE) 10 tons per year of any HAP or 25 tons per year of any combination of HAPs, must be controlled using technologies consistent with Maximum Achievable Control Technology (MACT). The tanks, which were constructed in 2005, (V150, V209, V210, V211, V408, V409, V507 and V106) have PTE single HAP and total HAPs greater than 10 and 25 tons per year, respectively. However, this source is subject to the National Emissions Standards for Hazardous Air Pollutants 40 CFR Part 63, Subpart HHHHH. Pursuant to 326 IAC 2-4.1-1(b)(2), the source is not subject to the requirements of 326 IAC 2-4.1.

#### **326 IAC 2-6 (Emission Reporting)**

Since this source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, this source is subject to 326 IAC 2-6 (Emission Reporting). In accordance with the compliance schedule in 326 IAC 2-6-3, an emission statement must be submitted triennially by July 1 beginning in 2007 and every 3 years after. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

#### **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 the 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.

#### **326 IAC 8-6 (Organic Solvent Emission Limitations)**

This rule applies to sources commencing operation after October 7, 1974 and prior to January 1, 1980, located anywhere in the state, with potential VOC emissions of 100 tons per year or more, and not regulated by any other provision of Article 8. This source was constructed after January 1, 1980, therefore, this rule does not apply.

### **State Rule Applicability – Individual Facilities**

#### **326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)**

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the total allowable particulate emission rate from the handling of pigments, waxes, clays and other dry materials shall not exceed 28.4 pounds per hour when operating at a process weight rate of 18 tons per hour of dry material.

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

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

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

$$E = 4.10 (18)^{0.67} \\ = 28.4 \text{ pounds per hour}$$

The baghouse shall be in operation at all times the handling of pigments, waxes, clays and other dry materials are in operation, in order to comply with this limit.

### 326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

326 IAC 8-1-6 (New Facilities, General Reduction Requirements) mandates that a Best Available Control Technology (BACT) analysis be performed for new facilities commencing operations after January 1, 1980 which have potential VOC emissions of 25 tons or more and are not regulated by other provisions of Article 8. The yellow ink and concentrate tanks (V102-V103) and the blue or black ink and concentrate tanks (V105-V106) each have potential to emit (PTE) of VOC of greater than 25 tons per year and were constructed after 1980. However, the source has limited VOC emissions in order that the requirements of 326 IAC 8-1-6 do not apply as follows:

- (a) The total amount of material input to the yellow ink and concentrate tanks (V102-V103) shall be limited to 37,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month and VOC emissions shall not exceed 1.33 pounds per ton of inks and concentrate. This usage limit shall limit the potential to emit of VOC to less than 25 tons per twelve (12) consecutive month period from the tanks V102 and V103 and render the requirements of 326 IAC 8-1-6 not applicable.
- (b) The total amount of material input to the blue or black ink and concentrate tanks (V105-V106) shall be limited to 37,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month and VOC emissions shall not exceed 1.33 pounds per ton of inks and concentrate. This usage limit shall limit the potential to emit of VOC to less than 25 tons per twelve (12) consecutive month period from the tanks V105 and V106 and render the requirements of 326 IAC 8-1-6 not applicable.

The ink and concentrate tanks (V100-V101) and the red ink and concentrate tank (V104) each have potential to emit (PTE) of VOC of less than 25 tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

### 326 IAC 6-2-3 (Particulate Limitations for Sources of Indirect Heating)

Pursuant to 326 IAC 6-2-3 (Particulate Limitations for Sources of Indirect Heating) the PM emissions from the 6.278 MMBtu per hour heat input boiler shall be limited to 0.8 pounds per MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

$$Pt = \frac{50 \times 0.67 \times 51}{76.5 \times 6.278^{0.75} \times 1^{0.25}} = 5.63 \text{ lbs/MMBtu}$$

where

$$C = 50 \text{ u/m}^3$$

Pt = emission rate limit (lbs/MMBtu)

Q = 6.278 total source heat input capacity (MMBtu/hr)

N = number of stacks

a = plume rise factor (0.67)

h = stack height (ft)

Since  $5.63 \text{ lb/mmBtu} > 0.8 \text{ lb/mmBtu}$ , the PM emissions from the 6.278 MMBtu/hr boiler are limited to 0.8 lb/mmBtu, pursuant to 326 IAC 6-2-3(d). The 6.278 MMBtu/hr boiler has the potential to emit a maximum of 0.008 pounds of PM per MMBtu heat input, therefore, it can comply with 326 IAC 6-2-3(d).

#### 326 IAC 8-3-2 (Cold Cleaner Operation)

This rule applies to new facilities after January 1, 1980, performing organic solvent degreasing operations located anywhere in the state.

The cold cleaning tanks were installed after January 1, 1980 and are therefore subject to 326 IAC 8-3-2. Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operation), the Permittee shall:

- (1) equip the cleaner with a cover;
- (2) equip the cleaner with a facility for draining cleaned parts;
- (3) close the degreaser cover whenever parts are not being handled in the cleaner;
- (4) drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (5) provide a permanent, conspicuous label summarizing the operation requirements;
- (6) store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

#### 326 IAC 8-3-5 (Cold Cleaner Degreaser Operation)

This rule applies to new facilities after July 1, 1990, performing organic solvent degreasing operations located anywhere in the state.

The cold cleaning tanks were installed prior to July 1, 1990 and are therefore not subject to this rule.

#### 326 IAC 8-4 (Petroleum Sources)

This source is not subject to this rule as this source is not one of the types listed under 326 IAC 8-4 (petroleum refineries, petroleum liquid storage facilities, bulk gasoline, terminals, bulk gasoline plants, gasoline dispensing facilities, gasoline transports).

#### 326 IAC 8-5-5 (Graphic Arts Operations)

This source is not subject to the requirements of 326 IAC 8-5-5 (Graphic Arts Operations), because this source is a printing ink production plant and does not consist of any packaging rotogravure, publication rotogravure, or flexographic printing operations.

#### 326 IAC 8-7 (Specific VOC Reduction Requirements for Lake, Porter, Clark, and Floyd Counties)

This source is not subject to the requirements of 326 IAC 8-7, because there are no coating operations at this source and the source is not located in any of the listed counties.

### 326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)

The source is not subject to the requirements of 326 IAC 8-9 (Volatile Organic Liquid Storage Vessels) because this source is not located in one of the listed counties (Clark, Floyd, Lake or Porter Counties).

### Testing Requirements

Testing requirements from previous approvals were incorporated into this Part 70 Permit.

The Permittee performed VOC testing to verify compliance with the limit in Condition D.1.1 in October 2004 and the source was found to be in compliance. Before April 2010, the Permittee shall perform VOC testing to verify compliance with the limit in Condition D.1.1, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C- Performance Testing.

### Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

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

The compliance monitoring requirements applicable to this source are as follows:

1. The source shall monitor emission units according to 40 CFR 63, Subpart HHHHH.

2. The handling of pigments, waxes, clays and other dry materials have applicable compliance monitoring conditions as specified below:
- (a) Visible emission notations of the handling of pigments, waxes, clays and other dry materials stack exhaust shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal. For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.
  - (b) The Permittee shall record the pressure drop across the baghouse used in conjunction with the handling of pigments, waxes, clays and other dry materials, at least once per day when the process is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.  
  
The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and shall be calibrated at least once every six (6) months.
  - (c) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
  - (d) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

These monitoring conditions are necessary because the baghouse for the handling of pigments, waxes, clays and other dry materials must operate properly to ensure compliance with 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) and 326 IAC 2-7 (Part 70).

### **Conclusion**

The operation of this printing ink production plant shall be subject to the conditions of this Part 70 permit T085-21743-00037.

**Appendix A: Emission Calculations**

**Company Name:** Flint Ink North America Corporation  
**Address City IN Zip:** 3025 West Old Road 30, Warsaw, IN, 46580-0287  
**Title V:** T085-21743-00037  
**Reviewer:** AB/EVP

**Tank VOC Emissions - Maximum PTE**

Tank ID	Product Stored	Throughput (gallons/yr)	Tank Height (ft)	Tank Dia. (ft)	Tank (H/V)	Mole. Weight (lb/lbmol)	Max. Liquid Height (ft)	Material Vapor Pressure (psia)	Tank Capacity (gal.)	Turnovers per year	Breathing Loss (tons)	Working Loss (tons)	Total VOC Tons/yr
<b>Outdoor Tank Farm</b>													
V502	Toluene	4,054,241	20.5	12	V	92.13	19.1	0.4217	17,334	233.9	0.0020	0.3443	0.35
V503	Toluene	4,054,241	20.5	12	V	92.13	19.1	0.4217	17,334	233.9	0.0020	0.3443	0.35
V504	Toluene	4,054,241	20.5	12	V	92.13	19.1	0.4217	17,334	233.9	0.0020	0.3443	0.35
V505	Resinate	2,333,333	35	12	V	92.13	33.7	0.4217	29,594	78.8	0.0061	0.1735	0.18
V506	Resinate	2,654,321	35	12	V	92.13	33.7	0.4217	29,594	89.7	0.0061	0.1809	0.19
V507	Resinate	3,230,654	30	12	V	92.13	28	0.4217	25,366	127.4	0.0080	0.1741	0.18
V211	Resinate	3,230,654	30	12	V	92.13	28	0.4217	25,366	127.4	0.0080	0.1741	0.18
<b>Intermediate Storage Tanks</b>													
V203	Concentrate	1,568,627	13.75	10.5	V	92.13	12.6	0.4217	10,000	156.9	0.0004	0.1678	0.17
V204	Concentrate	689,542	13.75	10.5	V	92.13	12.6	0.4217	10,000	69.0	0.0004	0.1218	0.12
V205	Concentrate	497,821	13.75	10.5	V	92.13	12.6	0.4217	10,000	49.8	0.0004	0.1118	0.11
V207	Concentrate	1,459,695	13.75	10.5	V	92.13	12.6	0.4217	10,000	146.0	0.0004	0.1621	0.16
V208	Concentrate	1,372,549	15	8	V	92.13	14	0.4217	6,200	221.4	0.0002	0.1265	0.13
V209	Gilsonite	1,470,806	13.75	10.5	V	92.13	12.6	0.4217	10,000	147.1	0.0004	0.1627	0.16
V210	Concentrate	1,470,806	13.75	10.5	V	92.13	12.6	0.4217	10,000	147.1	0.0004	0.1627	0.16
V213	Concentrate	424,837.00	15	8	V	92.13	14	0.001	6,200	68.5	0.0002	0.0769	0.08
<b>Surge Tanks</b>													
V150	Concentrate	602,647	4	3	V	92.13	3.75	0.4217	200	3013.2	0.0000	0.0334	0.03
V151	Concentrate	152,505	6	3.75	V	92.13	5.6	0.4217	462	330.1	0.0000	0.0123	0.01
V160	Concentrate	2,144,880	6	3.75	V	92.13	5.6	0.4217	462	4642.6	0.0000	0.1166	0.12
V161	Concentrate	1,377,996	6	3.75	V	92.13	5.6	0.4217	462	2982.7	0.0000	0.0765	0.08
<b>Finished Ink Storage</b>													
V400	Finished Ink	832,298	13.75	10.5	V	92.13	12.6	0.4217	10,000	83.2	0.0004	0.1295	0.13
V401	Finished Ink	1,962,733	13.75	10.5	V	92.13	12.6	0.4217	10,000	196.3	0.0004	0.2125	0.21
V402	Finished Ink	223,602	13.75	10.5	V	92.13	12.6	0.4217	10,000	22.4	0.0004	0.0792	0.08
V403	Finished Ink	521,739	13.75	10.5	V	92.13	12.6	0.4217	10,000	52.2	0.0004	0.1130	0.11
V404	Finished Ink	1,304,348	13.75	10.5	V	92.13	12.6	0.4217	10,000	130.4	0.0004	0.1736	0.17
V405	Finished Ink	2,136,646	13.75	10.5	V	92.13	12.6	0.4217	10,000	213.7	0.0004	0.2227	0.22
V406	Finished Ink	223,602	13.75	10.5	V	92.13	12.6	0.4217	10,000	22.4	0.0004	0.0792	0.08
V407	Finished Ink	1,354,037	13.75	10.5	V	92.13	12.6	0.4217	10,000	135.4	0.0004	0.1765	0.18
V408	Finished Ink	1,204,472	13.75	10.5	V	92.13	12.6	0.4217	10,000	120.4	0.0004	0.1677	0.17
V409	Finished Ink	1,204,472	13.75	10.5	V	62.07	12.6	0.4217	10,000	120.4	0.0004	0.1677	0.17
<b>Blending Tanks</b>													
V107	Concentrate	911,874	15	8	V	92.13	14	0.4217	6,200	147.1	0.0002	0.1024	0.10
V108	Concentrate	911,874	15	8	V	92.13	14	0.4217	6,200	147.1	0.0002	0.1024	0.10
V109	Concentrate	911,874	15	8	V	92.13	14	0.4217	6,200	147.1	0.0002	0.1024	0.10

**Total (tons/yr)** **4.94**

Note: Storage tank emissions estimated using Tanks Software 4.09D.

## Appendix A: Emission Calculations

**Company Name:** Flint Ink North America Corporation  
**Address City IN Zip:** 3025 West Old Road 30, Warsaw, IN, 46580-0287  
**Title V:** T085-21743-00037  
**Reviewer:** AB/EVP

Emission Point	Emission Factor (VOC/lb product)	Maximum Production (lb product)	PTE (TPY)
Mixing Tanks V100+V101	6.60E-04	54,800,000.00	18.08
Mixing Tanks V102+V103	6.60E-04	79,600,000.00	26.27
Mixing Tank V104	6.60E-04	45,000,000.00	14.85
Mixing Tanks V105+V106	6.60E-04	79,780,000.00	26.33
Mixing Tanks PM101, PM102, PM103	6.60E-04	675,000.00	0.22
Subtotal			<b>85.75</b>

V400: roof exhaust	3.91E-06	218,000,000.00	0.43
V400: piping	1.00E-05	218,000,000.00	1.09
Subtotal			<b>1.52</b>

Loading, Out, Finished Ink	1.40E-04	109,000,000.00	7.63
Loading, In, Resinate	1.40E-04	152,000,000.00	10.64
Loading, In, Toluene	2.33E-04	54,500,000.00	6.35
Loading, Out, Toluene	2.33E-04	163,500,000.00	19.05
Subtotal			<b>43.67</b>

Grand Total **130.94**

Note: The emission factor for Tanks V100-106 is taken from IDEM approved source test results conducted at the facility in April 1996. Since the tanks were shown in the testing not to be air tight, the emission factor is a combination of the Baghouse VOC emission (BHE the Roof Exhaust Fan VOC emissions (REF2). The emission factors are 0.00058 lb VOC/lb product and 0.00022 lb VOC/lb product for BHE and REF2, respectively. However, 0.00014 lb/ VOC /lb product from REF2 is from piping in the area exhausted by REF2.

**Appendix A: Emission Calculations**

**Company Name:** Flint Ink North America Corporation  
**Address City IN Zip:** 3025 West Old Road 30, Warsaw, IN, 46580-0287  
**Title V:** T085-21743-00037  
**Reviewer:** AB/EVP

**HAP Emissions - Maximum PTE**

Tank ID	Product Stored	Throughput (gallons/yr)	Total VOC (tons/yr)	% Toluene	% Xylene	% Ethylbenzene	Toluene (tons/yr)	Xylene (tons/yr)	Ethylbenzene (tons/yr)
<b>Outdoor Tank Farm</b>									
V502	Toluene	4,054,241	0.35	100.00%	0.00%	0.00%	0.35	0.00	0.00
V503	Toluene	4,054,241	0.35	100.00%	0.00%	0.00%	0.35	0.00	0.00
V504	Toluene	4,054,241	0.35	100.00%	0.00%	0.00%	0.35	0.00	0.00
V505	Resinate	2,333,333	0.18	100.00%	0.00%	0.00%	0.18	0.00	0.00
V506	Resinate	2,654,321	0.19	100.00%	0.00%	0.00%	0.19	0.00	0.00
V507	Resinate	3,230,654	0.18	100.00%	0.00%	0.00%	0.18	0.00	0.00
V211	Resinate	3,230,654	0.18	100.00%	0.00%	0.00%	0.18	0.00	0.00
<b>Intermediate Storage Tanks</b>									
V203	Concentrate	1,568,627	0.17	97.53%	0.39%	0.00%	0.17	0.00	0.00
V204	Concentrate	689,542	0.12	97.53%	0.39%	0.00%	0.12	0.00	0.00
V205	Concentrate	497,821	0.11	97.53%	0.39%	0.00%	0.11	0.00	0.00
V207	Concentrate	1,459,695	0.16	97.53%	0.39%	0.00%	0.16	0.00	0.00
V208	Concentrate	1,372,549	0.13	97.53%	0.39%	0.00%	0.13	0.00	0.00
V209	Gilsonite	1,470,806	0.16	97.53%	0.39%	0.00%	0.16	0.00	0.00
V210	Concentrate	1,470,806	0.16	97.53%	0.39%	0.00%	0.16	0.00	0.00
V213	Concentrate	424,837.00	0.08	97.53%	0.39%	0.00%	0.08	0.00	0.00
<b>Surge Tanks</b>									
V150	Concentrate	602,647	0.03	97.53%	0.39%	0.00%	0.03	0.00	0.00
V151	Concentrate	152,505	0.01	97.53%	0.39%	0.00%	0.01	0.00	0.00
V160	Concentrate	2,144,880	0.12	97.53%	0.39%	0.00%	0.12	0.00	0.00
V161	Concentrate	1,377,996	0.08	97.53%	0.39%	0.00%	0.08	0.00	0.00
<b>Finished Ink Storage</b>									
V400	Finished Ink	832,298	0.13	95.15%	2.55%	0.88%	0.12	0.00	0.00
V401	Finished Ink	1,962,733	0.21	95.15%	2.55%	0.88%	0.20	0.01	0.00
V402	Finished Ink	223,602	0.08	95.15%	2.55%	0.88%	0.08	0.00	0.00
V403	Finished Ink	521,739	0.11	95.15%	2.55%	0.88%	0.10	0.00	0.00
V404	Finished Ink	1,304,348	0.17	95.15%	2.55%	0.88%	0.16	0.00	0.00
V405	Finished Ink	2,136,646	0.22	95.15%	2.55%	0.88%	0.21	0.01	0.00
V406	Finished Ink	223,602	0.08	95.15%	2.55%	0.88%	0.08	0.00	0.00
V407	Finished Ink	1,354,037	0.18	95.15%	2.55%	0.88%	0.17	0.00	0.00
V408	Finished Ink	1,204,472	0.17	95.15%	2.55%	0.88%	0.16	0.00	0.00
V409	Finished Ink	1,204,472	0.17	95.15%	2.55%	0.88%	0.16	0.00	0.00
<b>Mixing Tanks</b>									
V100	Extender/Varnish	3,195,592	7.656	95.22%	2.68%	0.09%	7.29	0.21	0.01
V101	Extender/Clay Conc.	4,352,617	10.428	95.22%	2.68%	0.09%	9.93	0.28	0.01
V102	Ink & Concentrate	4,944,099	13.134	95.15%	2.55%	0.88%	12.50	0.33	0.12
V103	Ink & Concentrate	4,944,099	13.134	95.15%	2.55%	0.88%	12.50	0.33	0.12
V104	Ink & Concentrate	5,590,062	14.85	95.15%	2.55%	0.88%	14.13	0.38	0.13
V105	Ink & Concentrate	3,925,466	10.428	95.15%	2.55%	0.88%	9.92	0.27	0.09
V106	Ink & Concentrate	4,111,160	15.899	95.15%	2.55%	0.88%	15.13	0.41	0.14
PM101	Ink	27,950	0.07425	95.15%	2.55%	0.88%	0.07	0.00	0.00
PM102	Ink	27,950	0.07425	95.15%	2.55%	0.88%	0.07	0.00	0.00
PM103	Ink	27,950	0.07425	95.15%	2.55%	0.88%	0.07	0.00	0.00
<b>Blending Tanks</b>									
V107	Concentrate	911,874	0.1025	95.15%	2.55%	0.88%	0.10	0.00	0.00
V108	Concentrate	911,874	0.1025	95.15%	2.55%	0.88%	0.10	0.00	0.00
V109	Concentrate	911,874	0.1025	95.15%	2.55%	0.88%	0.10	0.00	0.00

**Total (tons/yr)** **86.42**      **2.26**      **0.63**

Note: Storage tank emissions estimated using Tanks Software 4.09D.

**Appendix A: Emission Calculations  
Natural Gas Combustion  
MM Btu/hr 0.3 - < 100**

**Company Name:** Flint Ink North America Corporation  
**Address City IN Zip:** 3025 West Old Road 30, Warsaw, IN, 46580-0287  
**Title V:** T085-21743-00037  
**Reviewer:** AB/EVP

Heat Input Capacity  
MMBtu/hr

Potential Throughput  
MMCF/yr

9.4

82.3

Heat Input Capacity includes:

- one (1) space heater with a rated heat input of 1.71 mmBtu per hour
- one (1) space heater with a rated heat input of 0.65mmBtu per hour
- two (2) space heater each with a rated heat input of 0.15 mmBtu per hour (0.30 mmBtu total)
- one (1) space heater with a rated heat input of 0.412 mmBtu per hour
- one (1) 6.278 mmBtu/hr boiler

	Pollutant					
Emission Factor in lb/MMCF	PM	PM10	SO2	NOx	VOC	CO
	7.6	7.6	0.6	100.0	5.5	84.0
Potential Emission in tons/yr	0.31	0.31	0.02	4.12	0.23	3.46

Methodology:

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors for NOx: uncontrolled = 100, Low Nox Burner = 50, Flue gas recirculation = 32

All PM is assumed to be less than 1.0 micrometer in diameter. Therefore, the PM emission factors may be used to estimate PM10, PM2.5, and PM1 en

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

Emission Factors from AP 42, Chapter 1.4, Tables 1.4-1 and 1.4-2, SCC #1-01-006-02, #1-02-006-02, #1-03-006-02, #1-03-006-03

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

**Appendix A: Emission Calculations**

**Material Handling**

**Company Name:** Flint Ink North America Corporation  
**Address City IN Zip:** 3025 West Old Road 30, Warsaw, IN, 46580-0287  
**Title V:** T085-21743-00037  
**Reviewer:** AB/EVP

\* \* emissions before controls \* \*

Dry Material Handling (PM)	18 ton/hr x	2.0000 lb/ton	/ 2000 lb/ton x	8760 hr/yr =	157.68 tons/yr	AP-42 Ch.6.7-1 (Fifth edition, 1/95)
Dry Material Handling (PM10)	157.68 tons/yr x	12.3% emitted =			19.39 tons/yr	

\*PM10 is conservatively estimated by assuming that all the PM emitted is PM10.

\* \* emissions after controls \* \*

Dry Material Handling (PM)	157.68 tons/yr x	10% emitted after controls =	15.77 tons/yr
Dry Material Handling (PM)	19.39 tons/yr x	10% emitted after controls =	1.94 tons/yr

**Methodology**

Emission factors are from AP 42 Table 6.7-1 Particulate Emission Factors for Pigments

Potential Emissions in ton/yr = Throughput (ton/hr) \* Emission factor (lb/ton) \* 8760 (hours/day) / 2000 (lbs/ton)

\*PM10 is estimated to be 12.3% PM emitted based on analysis performed by the source.

**Appendix A: Emission Calculations**

**Company Name:** Flint Ink North America Corporation  
**Address City IN Zip:** 3025 West Old Road 30, Warsaw, IN, 46580-0287  
**Title V:** T085-21743-00037  
**Reviewer:** AB/EVP

Uncontrolled Potential Emissions (tons/year)												
Emissions Generating Activity												
Pollutant	Natural Gas Combustion	Material Handling	Outdoor Tanks (V502 - V507 & V211)	V100+101 Piping and Baghouse Exhaust	V102+103 Piping and Baghouse Exhaust	V104 Piping and Baghouse Exhaust	V105+106 Piping and Baghouse Exhaust	V150, V151, V160 and V161, V203, V204, V205, V207, V208, V209, V210 and V213 Piping and Baghouse Exhaust	(V400 - V409) Piping and Baghouse Exhaust	PM101 - PM102, V107 - V109	Ink Loading	TOTAL
PM	0.31	157.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	157.99
PM10	0.31	19.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.70
SO2	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
NOx	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.12
VOC	0.23	0.00	1.78	18.08	26.27	14.85	26.33	1.33	1.52	0.52	43.67	134.58
CO	3.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46
total HAPs	neg.	0.00	1.78	17.73	25.90	14.64	25.96	1.30	1.50	0.51	43.67	132.99
worst case single HAF	neg.	0.00	1.78 (toluene)	17.22 (toluene)	25 (toluene)	14.13 (toluene)	25.05 (toluene)	1.28 (toluene)	1.45 (toluene)	0.5 (toluene)	43.67 (toluene)	130.08 (toluene)
Total emissions based on rated capacity at 8,760 hours/year.												
Controlled Potential Emissions (tons/year)												
Emissions Generating Activity												
Pollutant	Natural Gas Combustion	Material Handling	Outdoor Tanks (V502 - V507 & V211)	V100+101 Piping and Baghouse Exhaust	V102+103 Piping and Baghouse Exhaust	V104 Piping and Baghouse Exhaust	V105+106 Piping and Baghouse Exhaust	V150, V151, V160 and V161, V203, V204, V205, V207, V208, V209, V210 and V213 Piping and Baghouse Exhaust	(V400 - V409) Piping and Baghouse Exhaust	PM101 - PM102, V107 - V109	Ink Loading	TOTAL
PM	0.31	15.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.09
PM10	0.31	1.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.25
SO2	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
NOx	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.12
VOC	0.23	0.00	1.78	18.08	26.27	14.85	26.33	1.33	1.52	0.52	43.67	134.58
CO	3.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.46
total HAPs	neg.	0.00	1.78	17.73	25.90	14.64	25.96	1.30	1.50	0.51	43.67	132.99
worst case single HAF	neg.	0.00	1.78 (toluene)	17.22 (toluene)	25 (toluene)	14.13 (toluene)	25.05 (toluene)	1.28 (toluene)	1.45 (toluene)	0.5 (toluene)	43.67 (toluene)	130.08 (toluene)
Total emissions based on rated capacity at 8,760 hours/year.												