INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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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: July 30, 2007

RE: TIN, Inc. d/b/a Temple-Inland / 107-24923-00060

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

Notice of Decision – Approval

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

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot 03/23/06

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Mr. Rick Eakes
TIN, Inc. d/b/a Temple-Inland
801 North Englewood Drive
Crawfordsville, Indiana 47933

July 30, 2007

Re: 107-24923-00060
Third Notice-Only Change to
MSOP No: 107-17679-00060

Dear Mr. Eakes:

TIN, Inc. d/b/a Temple-Inland was issued a Minor Source Operating Permit (MSOP) on June 4, 2004 for a corrugated solid fiber box manufacturing operation located at 801 North Englewood Drive, Crawfordsville, Indiana. A letter notifying IDEM, OAQ of the addition of one (1) three color flexo folder gluer (identified as EU-014), the removal of two (2) two color flexo gluer (identified as EG-30 and EG-74), and updates to the printing and gluing operations potential to emit was received on June 14, 2007. Pursuant to the provisions of 326 IAC 2-6.1-6, the MSOP is hereby revised as follows:

1. The Permittee plans to add one (1) three color flexo folder gluer (identified as EU-014) and remove two (2) two color flexo gluer (identified as EG-30 and EG-74). Based on a decrease in the VOC content of the inks used by the existing printing and gluing operation, the potential to emit is updated. To verify the decrease in the VOC content the source provided updated MSDS sheets. Based on these changes, the potential to emit of each criteria pollutant will remain less than 100 tons per year and HAPs will remain less than 10 and 25 tons per year for any single HAP and combination of HAPs, respectively. The modification is being made pursuant to 326 IAC 2-6.1-6(d)(13) because it involves the addition of an emission unit of the same type that is already permitted and that will comply with the same applicable requirements and permit terms and conditions as the existing emission units, and the modification does not result in potential to emit greater than the thresholds in 326 IAC 2-2 or 2-3.

Potential to Emit of Modification After Issuance

This table summarizes the revised potential to emit, reflecting all limits, of the significant emission units.

Potential to Emit (tons/yr)							
Emission Units	PM	PM10	SO2	NOx	VOC	CO	Total HAPs
Existing Units (Before Modification)	3.3	3.3	65.9	31.3	48.94	15.4	4.165
Existing Units (After Modification)	3.3	3.3	65.9	31.3	34.69	15.4	3.010
New Unit (EU-014)	0.0	0.0	0.0	0.0	5.88	0.0	0.63
Unit Removed (EG-30)	0.0	0.0	0.0	0.0	(10.88)*	0.0	(1.025)*
Unit Removed (EG-74)	0.0	0.0	0.0	0.0	(1.11)*	0.0	(0.13)*
Revised Potential to Emit	**3.3**	**3.3**	**65.9**	**31.3**	**40.57**	**15.4**	**3.64**
* Potential to Emit values in parentheses represent negative values							

2. The emission unit descriptions are revised in Section A.2 and Section D.3 as shown below.

3. The new flexo folder gluer (identified as EU-014) is subject to the requirements of 326 IAC 8-2-1(a)(4) and 326 IAC 8-2-5 Paper Coating Operations, because it will be constructed after July 1, 1990 in Montgomery County and actual VOC emissions will be greater than fifteen (15) pounds per day. As a result, Section D.3.1 is revised to include emission unit EU-014.

4. In order to correct a typographical error, Condition C.15(b) is revised from the terminology "one-hundred and twenty" to "one hundred twenty."

5. All occurrences of IDEM mailing addresses are revised to include a mail code (MC) as follows:

Asbestos Section:	**MC 61-52 IGCN 1003**
Compliance Branch:	**MC 61-53 IGCN 1003**
Permits Branch:	**MC 61-53 IGCN 1003**
Technical Support and Modeling Section:	**MC 61-50 IGCN 1003**

The permit is revised as follows with deleted language as ~~strikeouts~~ and new language **bolded**:

A.2 Emission Units and Pollution Control Equipment Summary

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

. . .

~~(p) One (1) two-color flexo folder gluer, identified as EG-30, constructed in 1972, equipped with a flowcoater for glue application, capacity: 10,000 sheets per hour, with a maximum page size of 38 by 64 inches.~~

(p) ~~(q)~~ One (1) three-color evol flexo folder gluer, identified as EU-013, approved for construction in 2007, equipped with a flowcoater for glue application, capacity: 5,250 sheets per hour, with a maximum page size of 34 by **83.6** ~~83.9~~ inches.

~~(r) One (1) two-color flexo folder gluer, identified as EG-74, approved for construction in 2007, equipped with a flowcoater for glue application, capacity: 2,000 sheets per hour, with a maximum page size of 20 by 62 inches.~~

(q) One (1) three-color evol flexo folder gluer, identified as EU-014, approved for construction in 2007, equipped with a flowcoater for glue application, capacity: 5,250 sheets per hour, with a maximum page size of 34 by 83.6 inches.

...

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Printing and Gluing Operations

~~(p) One (1) two-color flexo folder gluer, identified as EG-30, constructed in 1972, equipped with a flowcoater for glue application, capacity: 10,000 sheets per hour, with a maximum page size of 38 by 64 inches.~~

(p) ~~(q)~~ One (1) three-color evol flexo folder gluer, identified as EU-013, approved for construction in 2007, equipped with a flowcoater for glue application, capacity: 5,250 sheets per hour, with a maximum page size of 34 by **83.6** ~~83.9~~ inches.

~~(r) One (1) two-color flexo folder gluer, identified as EG-74, approved for construction in 2007, equipped with a flowcoater for glue application, capacity: 2,000 sheets per hour, with a maximum page size of 20 by 62 inches.~~

(q) One (1) three-color evol flexo folder gluer, identified as EU-014, approved for construction in 2007, equipped with a flowcoater for glue application, capacity: 5,250 sheets per hour, with a maximum page size of 34 by 83.6 inches.

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

D.3.1 Volatile Organic Compounds (VOCs) [326 IAC 8-2-5]

Pursuant to 326 IAC 8-2-5, the owner or operator shall not allow the discharge into the atmosphere of VOC in excess of thirty-five hundredths (0.35) kilograms per liter of coating (two and nine tenths (2.9) pounds per gallon), excluding water, from EO-75, EO-93, EG-113, EG-114**,** ~~and~~ EU-013**, and EU-014**.

...

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test

...

(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.

...

MINOR SOURCE OPERATING PERMIT ANNUAL NOTIFICATION

...

Phone #: (765) 362-4010 ~~317-879-4227~~

All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised permit and the calculation tables. This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have questions regarding this request of additional information, please contact Brian Williams, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, at 317-234-5375 or at 1-800-451-6027(ext 45375). Please specify application No. 107-24923-00060 on inquiries or correspondence.

Original signed by,

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

bmw

Attachments: Calculation Tables and Revised Permit

cc: File - Montgomery County
U.S. EPA, Region V
Montgomery County Health Department
Air Compliance Section Inspector - Lisa Hayhurst
Compliance Data Section
Administrative and Development
Technical Support and Modeling

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MINOR SOURCE OPERATING PERMIT
OFFICE OF AIR QUALITY
TIN, Inc. d/b/a Temple-Inland
801 North Englewood Drive
Crawfordsville, Indiana 47933

(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.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

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

Operation Permit No.: MSOP 107-17679-00060	
Originally Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 4, 2004 Expiration Date: June 4, 2009

1st Notice-Only Change No. 107-20568-00060, issued on February 17, 2005
First Significant Permit Revision No. 107-23552-00060, issued on February 5, 2007
2nd Notice-Only Change No. 107-24387-00060, issued on March 27, 2007

3rd Notice-Only Change No.: 107-24923-00060	Affected Pages: Entire Permit
Original signed by: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: July 30, 2007 Expiration Date: June 4, 2009

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a corrugated solid fiber box manufacturing source..

Source Address:	801 North Englewood Drive, Crawfordsville, Indiana 47933
Mailing Address:	801 North Englewood Drive, Crawfordsville, IN 47933
General Source Phone Number:	765-362-4010
SIC Code:	2653
County Location:	Montgomery
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary

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

(a) One (1) natural gas-fired boiler, identified as A-57, constructed in 1971, using #2 fuel oil as backup, exhausting to Stack 002, rated at 14.645 million British thermal units per hour and 350 horsepower.

(b) One (1) natural gas-fired boiler, identified as A-58, constructed in 1971, using #2 fuel oil as backup, exhausting to Stack 003, rated at 14.645 million British thermal units per hour and 350 horsepower.

(c) One (1) starch silo, identified as 004, constructed in 1972, equipped with baghouse 004 for particulate control, exhausting to Stack 004, capacity: 100,000 pounds of corn starch.

(d) One (1) trim waste collection system, identified as 005, constructed in 1972, consisting of a flexo transfer cyclone, exhausting to Stack 005, capacity: 5,449 pounds of trim waste per hour.

(e) One (1) 99-inch corrugator, identified as C-40, constructed in 1972, equipped with the one (1) trim waste collection system identified as 005, capacity: 1,000 feet per minute and 113,845 pounds of paper per hour.

(f) One (1) dust collection system used to clean board prior to printing, identified as 006, constructed in 1997, equipped with a baghouse for particulate control, exhausting to Stack 006, throughput: 46,762 pounds of board per hour or 7,320 pounds of dust per year.

(g) One (1) cornstarch mixing tank, constructed in 1972, capacity: 3,000 gallons of cornstarch.

(h) Two (2) corn starch storage tanks, identified as Tank 1 and Tank 2, both constructed in 1972, capacity: 3,000 gallons of cornstarch, each.

(i) One (1) spare tank for cornstarch storage, identified as Spare Tank, constructed in 1990, capacity: 500 gallons of cornstarch.

(j) One (1) standby #2 fuel tank, constructed in 1998, capacity: 12,000 gallons of fuel.

(k) One (1) waste water treatment system.

(l) One (1) three-color die cutter and gluer, identified as EO-75, constructed in 1994, equipped with a flowcoater for glue application, capacity: 2,000 sheets per hour, with a maximum page size of 62 by 109 inches.

(m) One (1) two-color die cutter and gluer, identified as EO-93, constructed in 2000, equipped with a flowcoater for glue application, capacity: 2,000 sheets per hour, with a maximum page size of 62 by 109 inches.

(n) One (1) two-color flexo folder gluer, identified as EG-113, constructed in 1989, equipped with a flowcoater for glue application, capacity: 2,700 sheets per hour, with a maximum page size of 58 by 105 inches.

(o) One (1) three-color flexo folder gluer, identified as EG-114, constructed in 1989, equipped with a flowcoater for glue application, capacity: 10,000 sheets per hour, with a maximum page size of 38 by 56 inches.

(p) One (1) three-color evol flexo folder gluer, identified as EU-013, approved for construction in 2007, equipped with a flowcoater for glue application, capacity: 5,250 sheets per hour, with a maximum page size of 34 by 83.6 inches.

(q) One (1) three-color evol flexo folder gluer, identified as EU-014, approved for construction in 2007, equipped with a flowcoater for glue application, capacity: 5,250 sheets per hour, with a maximum page size of 34 by 83.6 inches.

SECTION B GENERAL CONDITIONS

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

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

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

(a) This permit, 107-17679-00060, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

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

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

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability

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

B.5 Severability

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

B.6 Property Rights or Exclusive Privilege

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

B.7 Duty to Provide Information

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Notification [326 IAC 2-6.1-5(a)(5)]

(a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.

(b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

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

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

B.10 Preventive Maintenance Plan [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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of permits established prior to 107-17679-00060 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted.

(b) All previous registrations and permits are superseded by this permit.

B.12 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least ninety (90) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.13 Permit Renewal [326 IAC 2-6.1-7]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
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 ninety (90) days prior to the date of the expiration of this permit; and

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.14 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

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

Indiana Department of Environmental Management
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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.15 Source Modification Requirement

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

B.16 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [IC 13-14-2-2] [IC13-17-3-2] [IC 13-30-3-1]

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

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

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

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

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

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

B.17 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

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

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

Indiana Department of Environmental Management
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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.18 Annual Fee Payment [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.

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

B.19 Credible Evidence [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

(a) Violation of any conditions of this permit.

(b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.

(c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.

(d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.

(e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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

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

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

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

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

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

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

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

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

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

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

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

(a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

C.12 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.13 Instrument Specifications [326 IAC 2-1.1-11]

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

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

Corrective Actions and Response Steps

C.14 Response to Excursions or Exceedances

(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

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

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

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

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

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

C.16 Malfunctions Report [326 IAC 1-6-2]

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

(a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.

(b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as

practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.

(c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).

(d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.17 General Record Keeping Requirements [326 IAC 2-6.1-5]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, 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 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

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

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

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

(c) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Boilers

(a) One (1) natural gas-fired boiler, identified as A-57, constructed in 1971, using #2 fuel oil as backup, exhausting to Stack 002, rated at 14.645 million British thermal units per hour and 350 horsepower.

(b) One (1) natural gas-fired boiler, identified as A-58, constructed in 1971, using #2 fuel oil as backup, exhausting to Stack 003, rated at 14.645 million British thermal units per hour and 350 horsepower.

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

Emission Limitations and Standards

D.1.1 Particulate [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3(d), particulate emissions from all facilities used for indirect heating purposes which were existing and in operation on or before June 8, 1972, shall in no case exceed 0.8 pound per million British thermal units heat input.

D.1.2 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1] [326 IAC 7-2-1]

Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations) the SO_2 emissions from the 27.27 million British thermal units per hour oil-fired boiler shall not exceed five tenths (0.5) pound per million British thermal units heat input. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a thirty (30) day rolling weighted average.

D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

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

Compliance Determination Requirements

D.1.4 Sulfur Dioxide Emissions and Sulfur Content

Compliance with Condition D.1.2 shall be determined utilizing one of the following options.

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

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

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

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

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

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the two (2) boilers with a total rating of 29.29 MMBtu per hour, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.5 Visible Emissions Notations

(a) Visible emission notations from each of the two (2) boilers stack exhaust shall be performed once per day during normal daylight operations when combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.

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

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

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

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

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.6 Record Keeping Requirements

(a) To document compliance with Condition D.1.2, the Permittee shall maintain records in accordance with (1) through (6) below.

(1) Calendar dates covered in the compliance determination period;

(2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;

(3) To certify compliance when burning natural gas only, the Permittee shall maintain records of fuel used.

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

(4) Fuel supplier certifications;

(5) The name of the fuel supplier; and

(6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

(b) To document compliance with Condition D.1.5, the Permittee shall maintain records of visible emission notations from each of the two (2) boilers stack exhaust once per day.

(c) To document compliance with Condition D.1.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.

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

D.1.7 Reporting Requirements

(a) The natural gas boiler certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The report submitted by the Permittee does require the certification by an “authorized individual” as defined by 326 IAC 2-1.1-1.

(b) A semi-annual summary of the information to document compliance with Condition D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the six (6) month period being reported. The report submitted by the Permittee does require the certification by an “authorized individual” as defined by 326 IAC 2-1.1-1.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Miscellaneous Operations

(c) One (1) starch silo, identified as 004, constructed in 1972, equipped with baghouse 004 for particulate control, exhausting to Stack 004, capacity: 100,000 pounds of corn starch.

(d) One (1) trim waste collection system, identified as 005, constructed in 1972, consisting of a flexo transfer cyclone, exhausting to Stack 005, capacity: 5,449 pounds of trim waste per hour.

(e) One (1) 99-inch corrugator, identified as C-40, constructed in 1972, equipped with the one (1) trim waste collection system identified as 005, capacity: 1,000 feet per minute and 113,845 pounds of paper per hour, equipped with:

(f) One (1) dust collection system used to clean board prior to printing, identified as 006, constructed in 1997, equipped with a baghouse for particulate control, exhausting to Stack 006, throughput: 46,762 pounds of board per hour or 7,320 pounds of dust per year.

(g) One (1) cornstarch mixing tank, constructed in 1972, capacity: 3,000 gallons of cornstarch.

(h) Two (2) cornstarch storage tanks, identified as Tank 1 and Tank 2, both constructed in 1972, capacity: 3,000 gallons of cornstarch, each.

(i) One (1) spare tank for cornstarch storage, identified as Spare Tank, constructed in 1990, capacity: 500 gallons of cornstarch.

(j) One (1) standby #2 fuel tank, constructed in 1998, capacity: 12,000 gallons of fuel.

(k) One (1) waste water treatment system.

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

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

(a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) trim waste collection system shall not exceed 45.8 pounds per hour when operating at a process weight rate of 113,845 pounds per hour.

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

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

(b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) dust collection system shall not exceed 33.9 pounds per hour when operating at a process weight rate of 46,762 pounds per hour.

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:

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

D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]

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

Compliance Determination Requirements

D.2.3 Particulate Control

(a) In order to comply with Condition D.2.1, the flexo transfer cyclone and baghouse for particulate control shall be in operation and control emissions from the one (1) trim waste collection system and the one (1) 99-inch corrugator at all times that these facilities are in operation.

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

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

D.2.4 Visible Emissions Notations

(a) Visible emission notations of the from the one (1) trim waste collection system and the one (1) 99-inch corrugator 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.

(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.2.5 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse used in conjunction with the one (1) dust collection system, 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 and 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 and 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.2.6 Broken or Failed Bag Detection

(a) For a single compartment 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.

(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.

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 or dust traces.

D.2.7 Cyclone Failure Detection

In the event that cyclone failure has been observed:

(a) For a cyclone 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.

(b) For a cyclone 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.

Record Keeping and Reporting Requirement

D.2.8 Record Keeping Requirements

(a) To document compliance with Condition D.2.4, the Permittee shall maintain records of visible emission notations of the one (1) trim waste collection system and the one (1) 99-inch corrugator stack exhaust once per day.

(b) To document compliance with Condition D.2.5, the Permittee shall maintain records once per day of the pressure drop during normal operation.

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

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Printing and Gluing Operations

(l) One (1) three-color die cutter and gluer, identified as EO-75, constructed in 1994, equipped with a flowcoater for glue application, capacity: 2,000 sheets per hour, with a maximum page size of 62 by 109 inches.

(m) One (1) two-color die cutter and gluer, identified as EO-93, constructed in 2000, equipped with a flowcoater for glue application, capacity: 2,000 sheets per hour, with a maximum page size of 62 by 109 inches.

(n) One (1) two-color flexo folder gluer, identified as EG-113, constructed in 1989, equipped with a flowcoater for glue application, capacity: 2,700 sheets per hour, with a maximum page size of 58 by 105 inches.

(o) One (1) three-color flexo folder gluer, identified as EG-114, constructed in 1989, equipped with a flowcoater for glue application, capacity: 10,000 sheets per hour, with a maximum page size of 38 by 56 inches.

(p) One (1) three-color evol flexo folder gluer, identified as EU-013, approved for construction in 2007, equipped with a flowcoater for glue application, capacity: 5,250 sheets per hour, with a maximum page size of 34 by 83.6 inches.

(q) One (1) three-color evol flexo folder gluer, identified as EU-014, approved for construction in 2007, equipped with a flowcoater for glue application, capacity: 5,250 sheets per hour, with a maximum page size of 34 by 83.6 inches.

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

Emission Limitations and Standards

D.3.1 Volatile Organic Compounds (VOCs) [326 IAC 8-2-5]

Pursuant to 326 IAC 8-2-5, the owner or operator shall not allow the discharge into the atmosphere of VOC in excess of thirty-five hundredths (0.35) kilograms per liter of coating (two and nine tenths (2.9) pounds per gallon), excluding water, from EO-75, EO-93, EG-113, EG-114, EU-013, and EU-014.

Compliance with this limitation shall be determined using the volume weighted average method detailed in Condition D.3.4.

D.3.2 Preventive Maintenance Plan [326 IAC 1-6-3]

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

Compliance Determination Requirements

D.3.3 Volatile Organic Compounds (VOC)

Compliance with the VOC content limitation contained in Condition D.3.1 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAQ, reserves the authority to determine compliance using Method

24 or another approved alternative method in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.3.4 VOC Emissions

Pursuant to 326 IAC 8-1-2(a)(7), when volume weighted averaging of the coatings is used to determine compliance with the limitation set in Condition D.3.1. This volume weighted average shall be determined by the following equation:

$$A = [\sum (C \times U) / \sum U]$$

Where: A = the volume weighted average in pounds VOC per gallon;
C = the VOC content of the coating in pounds VOC per gallon; and
U = is the usage rate of the coating in gallons per unit, hour, day or other unit of time

Record Keeping and Reporting Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.3.5 Record Keeping Requirements

(a) To document compliance with Condition D.3.1, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC content limit established in Condition D.3.1. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) The volume weighted VOC content of the coatings used for each time frame used to show compliance with Condition D.3.4;

(3) The total VOC usage for each time frame used to show compliance with Condition D.3.4; and

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

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH

MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION

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

Company Name:	**TIN, Inc. d/b/a Temple-Inland**
Address:	**801 North Englewood Drive**
City:	**Crawfordsville, Indiana**
Phone #:	**(765) 362-4010**
MSOP #:	**107-17679-00060**

I hereby certify that TIN, Inc. d/b/a Temple-Inland is
☐ still in operation.
☐ no longer in operation.

I hereby certify that TIN, Inc. d/b/a Temple-Inland is
☐ in compliance with the requirements of MSOP 107-17679-00060.
☐ not in compliance with the requirements of MSOP 107-17679-00060.

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

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

Noncompliance:

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FAX NUMBER - 317 233-6865

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

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

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

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

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

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

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

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION:
_____

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

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

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

_____

MEASURES TAKEN TO MINIMIZE EMISSIONS:_____

_____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES:_____
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS:_____
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT:_____
INTERIM CONTROL MEASURES: (IF APPLICABLE)_____
_____
_____

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

MALFUNCTION RECORDED BY:_____DATE:_____TIME:_____
*SEE PAGE 2

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

326 IAC 1-6-1 Applicability of rule

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

326 IAC 1-2-39 "Malfunction" definition

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

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

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

_____

_____

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

SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION

Source Name: TIN, Inc. d/b/a Temple-Inland
Source Address: 801 North Englewood Drive, Crawfordsville, Indiana 47933
Mailing Address: 801 North Englewood Drive, Crawfordsville, Indiana 47933
Permit No.: 107-17679-00060

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

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

A certification by an authorized individual as defined by 326 IAC 2-1.1-1(1) is required for this report.

Appendix A: Emissions Calculations
VOC Emissions
From Printing and Gluing Operations

Company Name: TIN, Inc., d/b/a Temple-Inland
Address City IN Zip: 801 North Englewood Drive, Crawfordsville, IN 47833
Permit Number: 107-24923-00060
Plt ID: 107-00060
Reviewer: Brian Williams
Application Date: June 14, 2007

Press ID	Maximum Throughput (sheets/hour)	Maximum Image Size (square inches)	Average Weight % VOC	Maximum Coverage (lbs ink/million sq in)	Throughput (sq in/hour)	VOC Emissions (pounds/hour)	VOC Emissions (tons/year)
EO 75 Ink	2,000	6758.00	1.71	5.00	13,516,000	1.16	5.06
EO 93 Ink	2,000	6758.00	1.71	5.00	13,516,000	1.16	5.06
EO 93 Glue	2,000	6758.00	0.9265	1.80	13,516,000	0.23	0.99
EG 113 Ink	2,700	6090.00	1.71	5.00	16,443,000	1.41	6.16
EG 113 Glue	2,700	6090.00	0.9265	1.80	16,443,000	0.27	1.20
EG 114 Ink	10,000	2128.00	1.71	5.00	21,280,000	1.82	7.97
EG 114 Glue	10,000	2128.00	0.9265	1.80	21,280,000	0.35	1.55
EU 013 Ink	5,250	2851.24	1.71	5.00	14,969,010	1.28	5.61
EU 013 Glue	5,250	2851.24	0.9265	1.80	14,969,010	0.25	1.09
EU 014 Ink (New)	5,250	2851.24	1.71	5.00	14,969,010	1.09	4.79
EU 014 Glue (New)	5,250	2851.24	0.9265	1.80	14,969,010	0.25	1.09
					Total After Modification		**40.57**

METHODOLOGY
Potential VOC Pounds per Hour = Weight % VOC * Maximum Coverage (lbs ink/million square inches) *Throughput (million square inches/hour)
Potential VOC Tons per Year = Pounds of VOC per hour * (8760 hr/yr) * (1 ton/2000 lbs)

Appendix A: Emission Calculations
HAPs Emission Calculations from Printing and Gluing Operations

Company Name: TIN, Inc., d/b/a Temple-Inland
Address City IN Zip: 801 North Englewood Drive, Crawfordsville, IN 47833
Permit Number: 107-24923-00060
Plt ID: 107-00060
Permit Reviewer: Brian Williams
Application Date: June 14, 2007

Press ID/Material	Maximum Throughput	Maximum Image Size	Maximum Coverage	Maximum Glue/Ink Usage	Maximum Glue/Ink Usage	Weight %	Weight %	Weight %	Weight %	Weight %	Weight %	Glycol Ethers Emissions	Vinyl Acetate Emissions	Formaldehyde Emissions	Acetaldehyde Emissions	Methanol Emissions	Dipropylene Glycol Emissions	**Total HAPs Emissions**
	(sheets/hour)	(square inches)	(lbs ink/million sq in)	(pounds/hour)	(pounds/year)	Glycol Ethers	Vinyl Acetate	Formaldehyde	Acetaldehyde	Methanol	Dipropylene Glycol	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	**(ton/yr)**
EO 75 Ink	2000	6758	5.00	67.58	592,001	0.00074	0.000000	0.000000	0.000000	0.000000	0.000000	0.2190	0.0000	0.0000	0.0000	0.0000	0.0000	0.219
EO 93 Ink	2000	6758	5.00	67.58	592,001	0.00074	0.000000	0.000000	0.000000	0.000000	0.000000	0.2190	0.0000	0.0000	0.0000	0.0000	0.0000	0.219
EO 93 Glue V-3869-RB-001	2000	6758	1.80	24.33	213,120	0.00000	0.000419	0.000168	0.000837	0.000168	0.000000	0.0000	0.0446	0.0179	0.0892	0.0179	0.0000	0.170
EO 93 Glue WB-3706	2000	6758	1.80	24.33	213,120	0.00000	0.000391	0.000156	0.000781	0.000318	0.000054	0.0000	0.0417	0.0166	0.0832	0.0339	0.0058	0.181
EG 113 Ink	2700	6090	5.00	82.22	720,203	0.00074	0.000000	0.000000	0.000000	0.000000	0.000000	0.2665	0.0000	0.0000	0.0000	0.0000	0.0000	0.266
EG 113 Glue V-3869-RB-001	2700	6090	1.80	29.60	259,273	0.00000	0.000419	0.000168	0.000837	0.000168	0.000000	0.0000	0.0543	0.0218	0.1085	0.0218	0.0000	0.206
EG 113 Glue WB-3706	2700	6090	1.80	29.60	259,273	0.00000	0.000391	0.000156	0.000781	0.000318	0.000054	0.0000	0.0507	0.0202	0.1012	0.0412	0.0070	0.220
EG 114 Ink	10000	2128	5.00	106.40	932,064	0.00074	0.000000	0.000000	0.000000	0.000000	0.000000	0.3449	0.0000	0.0000	0.0000	0.0000	0.0000	0.345
EG 114 Glue V-3869-RB-001	10000	2128	1.80	38.30	335,543	0.00000	0.000419	0.000168	0.000837	0.000168	0.000000	0.0000	0.0703	0.0282	0.1404	0.0282	0.0000	0.267
EG 114 Glue WB-3706	10000	2128	1.80	38.30	335,543	0.00000	0.000391	0.000156	0.000781	0.000318	0.000054	0.0000	0.0656	0.0262	0.1310	0.0534	0.0091	0.285
EU 013 Ink	5250	2851	5.00	74.85	655,643	0.00074	0.000000	0.000000	0.000000	0.000000	0.000000	0.2426	0.0000	0.0000	0.0000	0.0000	0.0000	0.243
EU 013 Glue V-3869-RB-001	5250	2851	1.80	26.94	236,031	0.00000	0.000419	0.000168	0.000837	0.000168	0.000000	0.0000	0.0494	0.0198	0.0988	0.0198	0.0000	0.188
EU 013 Glue WB-3706	5250	2851	1.80	26.94	236,031	0.00000	0.000391	0.000156	0.000781	0.000318	0.000054	0.0000	0.0461	0.0184	0.0922	0.0375	0.0064	0.201
EU 014 Ink (New)	5250	2851	5.00	74.85	655,643	0.00074	0.000000	0.000000	0.000000	0.000000	0.000000	0.2426	0.0000	0.0000	0.0000	0.0000	0.0000	0.243
EU 014 Glue V-3869-RB-001 (New)	5250	2851	1.80	26.94	236,031	0.00000	0.000419	0.000168	0.000837	0.000168	0.000000	0.0000	0.0494	0.0198	0.0988	0.0198	0.0000	0.188
EU 014 Glue WB-3706 (New)	5250	2851	1.80	26.94	236,031	0.00000	0.000391	0.000156	0.000781	0.000318	0.000054	0.0000	0.0461	0.0184	0.0922	0.0375	0.0064	0.201
											Totals:	**1.53**	**0.52**	**0.21**	**1.04**	**0.31**	**0.03**	**3.641**

METHODOLOGY

HAPS emission rate (tons/yr) = Potential Ink and Glue Usage (pounds/yr) * Weight % HAP * 1 ton/2000 lbs