State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION** **CERTIFIED MAIL**
**HAMILTON COUNTY**

Street Address:
122 S. Front Street

Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

**Application No: 14-05151**
**Fac ID:** 1431150945
**DATE: 5/2/2006**

Graphic Packaging Inc.
Frank Breznai
10600 Evendale Drive
Cincinnati, OH 45241

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: **USEPA** **HCDES**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

| | |
|---|---|
| **Permit To Install** | **Issue Date: 5/2/2006** |
| **Terms and Conditions** | **Effective Date: 5/2/2006** |

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 14-05151

| | |
|---|---|
| Application Number: | 14-05151 |
| Facility ID: | 1431150945 |
| Permit Fee: | **$100** |
| Name of Facility: | Graphic Packaging Inc. |
| Person to Contact: | Frank Breznai |
| Address: | 10600 Evendale Drive<br>Cincinnati, OH 45241 |

Location of proposed air contaminant source(s) [emissions unit(s)]:
**10600 Evendale Drive**
**Cincinnati**, **Ohio**

Description of proposed emissions unit(s):
**Modification of PTI 14-05151 to remove the ammonia content limitation.**

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Joseph P. Koncelik

Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. State and Federally Enforceable Permit-To-Install General Terms and Conditions

#### 1. Monitoring and Related Recordkeeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

i. The date, place (as defined in the permit), and time of sampling or measurements.

ii. The date(s) analyses were performed.

iii. The company or entity that performed the analyses.

iv. The analytical techniques or methods used.

v. The results of such analyses.

vi. The operating conditions existing at the time of sampling or measurement.

b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

ii. Quarterly written reports of (i) any deviations from federally enforceable <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to

the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.9 below if no deviations occurred during the quarter.

iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

iv. If this permit is for an emissions unit located at a Title V facility, then each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

d. The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

**2. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

**3. Risk Management Plans**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

**4. Title IV Provisions**

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

**5. Severability Clause**

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

**6. General Requirements**

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification

b. 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 federally enforceable terms and conditions of this permit.

c. This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

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

e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be

kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

**7. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

**8. Federal and State Enforceability**

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

**9. Compliance Requirements**

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or

required under this permit.

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**10. Permit-To-Operate Application**

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be <u>obtained before</u> the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this permit is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

**11. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

**12. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

### 13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in this permit.

## B. State Only Enforceable Permit-To-Install General Terms and Conditions

### 1. Compliance Requirements

The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

### 2. Reporting Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

### 3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**4. Authorization To Install or Modify**

If applicable, authorization to install or modify any new or existing emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**5. Construction of New Sources(s)**

This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

**6. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

**7. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

**8. Construction Compliance Certification**

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) that the facility has been constructed in accordance with the permit-to-install application and the terms and conditions of the permit-to-install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)**

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly (i.e., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

## C. Permit-To-Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

| Pollutant | Tons Per Year |
|---|---|
| VOC | 57.06 |
| $SO_2$ | 0.01 |
| $NO_x$ | 2.39 |
| CO | 2.01 |
| $PM/PM_{10}$ | 0.18 |

## Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

### A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

### B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

**1.** The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

| Operations, Property, and/or Equipment | Applicable Rules/Requirements |
|---|---|
| K005 - 8-color rotogravure printing press with 8 dryers- third modification of PTI 14-05151, issued 2/9/2006 | OAC rule 3745-31-05(A)(3) |
| | OAC rule 3745-17-07(A) |
| | OAC rule 3745-17-10 |

| | Applicable Emissions Limitations/Control Measures | |
|---|---|---|
| OAC rule 3745-21-09(Y) | | upon the emission unit's Potentials to Emit (PTE). Therefore, no record keeping and/or reporting requirements are necessary to ensure compliance with these emission limitations. |
| 40 CFR 63 Subpart KK | The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A), OAC rule 3745-21-09(Y), OAC rule 3745-31-05(C) and 40 CFR Part 63 Subpart KK. | See term A.I.2.d |
| OAC rule 3745-31-05 (C) | Coating Emissions:<br>636.9 lbs of volatile organic compounds (VOC) /day*;<br>56.8 TPY VOC, based on a rolling, 12-month summation | The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)<br><br>See term A.I.2.c |
| | Natural Gas Combustion Emissions*:<br>0.1 lb Nitrogen Oxides (NOx)/mmBtu;<br>2.39 tons/yr NOx;<br>0.084 lb Carbon Monoxide (CO)/mmBtu;<br>2.01 tons/yr CO;<br>0.0006 lb Sulfur Dioxide (SO2)/mmBtu;<br>0.01 ton/yr SO2;<br>0.011 lb VOC/mmBtu;<br>0.26 ton/yr VOC;<br>0.0076 lb Particulate emissions and particulate emissions ten microns and less in diameter ($PE/PM_{10}$)/mmBtu; and<br>0.18 ton/yr PE/PM10. | See term A.I.2.b and A.I.2.e<br><br>See term A.I.2.b |
| | See term A.I.2.c, A.II.1, and A.II.2,.<br><br>*The daily VOC emission limitation, and emissions from the combustion of natural gas outlined in this permit are based | |

**2. Additional Terms and Conditions**

**2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by VOC content limitations, coating usage limitations, HAP limitations, and the exclusive use of natural gas.

**2.b** The total allowable usage of Hazardous Air Pollutants (HAPs), as identified in Section 112(b) of Title III of the Clean Air Act, from this facility shall not exceed 9.9 TPY for any single HAP and 24.9 TPY for any combination of HAPs. Compliance with the above limitations shall be based on a rolling, 12-month summation. The permittee has existing records to demonstrate compliance with the rolling, 12-month summation limitation.

**2.c** The volatile organic compound content of the coatings (inks and varnishes) employed in this emissions unit shall not exceed the following:

i. Forty percent VOC by volume of the coating and ink, excluding water and exempt solvents, or twenty-five percent VOC by volume of the volatile matter in the coating and ink [ For compliance with OAC rule 3745-21-09(Y)].

ii. For inks, 11.18 percent VOC, by weight, as a daily maximum (For compliance with the lbs/day VOC limit).

iii. For inks, 8.0 percent VOC by weight, as a weighted average, based upon a rolling, 12-month summation, of all the inks employed. Compliance shall be determined by the methods outlined in the Ohio Administrative Code (OAC) rule 3745-21-10 (B)(9) [For compliance with the TPY VOC limit].

iv. For varnishes, 2 percent VOC, by weight, as a daily maximum (For compliance with the lbs/day VOC limit).

v. For varnishes, 1.5 percent VOC by weight as a weighted average, based upon a rolling, 12-month summation, of all the varnish employed. Compliance shall be determined by the methods outlined in the Ohio Administrative Code (OAC) rule 3745-21-10 (B)(9) [For compliance with the TPY VOC limit].

**2.d** Visible particulate emissions from this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

**2.e** The permittee commits to and meets the criteria to be considered an area

source, and is subject only to the record keeping and reporting provisions in 40 CFR 63.829(d) and 40 CFR 63.830(b)(1).

## II. Operational Restrictions

**1.** The maximum annual ink usage for emissions unit K005 shall not exceed 1,159,000 pounds per year, based upon a rolling 12-month summation of the ink usage figures.

**2.** The maximum annual varnish usage for emissions unit K005 shall not exceed 1,388,000 pounds per year, based upon a rolling 12-month summation.

## III. Monitoring and/or Record keeping Requirements

**1.** The permittee shall collect and record the following information each month for the entire facility:

a. The name and identification number of each coating employed.

b. The individual Hazardous Air Pollutant (HAP) content for each HAP of each coating in percent by weight of individual HAP as applied.

c. The total combined HAP content of each coating in percent by weight of combined HAPs, as applied [sum all the individual HAP contents from (b)].

d. The number of pounds of each coating employed.

e. The name and identification of each cleanup material employed.

f. The individual HAP content for each HAP of each cleanup material in weight percent, as applied.

g. The total combined HAP content of each cleanup material in weight percent, as applied [sum all the individual HAP contents from (f)].

h. The number of pounds of each cleanup material employed.

i. The total individual HAP usage for each HAP from all coatings and cleanup materials employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating and the sum of (f) times (h) for each cleanup material].

j. The total combined HAP usage from all coatings and cleanup materials employed, in pounds or tons per month [the sum of (c) times (d) for each coating plus the sum of (g) times (h) for each cleanup material].

k. The updated rolling, 12-month summation of usage for each individual HAP emissions**, in pounds or tons. This shall include the information for the current month and the preceding eleven calender months.

l. The updated rolling, 12-month summation of usage for total combined HAP emissions**, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months.

A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Hamilton County Department of Environmental Services contact. This information does not have to be kept on a individual emissions unit basis.

** This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporated.

**2.** The permittee shall maintain monthly records which list the following information for each coating employed in emissions unit K005:

a. The name and identification number of each coating (ink and varnish), as applied.

b. The amount in pounds of each coating employed.

c. The VOC content of each coating, as applied, in percent by weight.

d. The percent VOC by volume of the coating and ink, as applied, excluding water and exempt solvents or the percent VOC by volume of the volatile matter in the coating and ink, as applied.

e During the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative ink and varnish usage in pounds, for each calendar month.

f After the first 12 calendar months of operation following issuance of this permit , the rolling, 12-month summation of the coating usage (inks and varnish), in pounds per year.

g After the first 12 calendar months of operation following issuance of this permit, the rolling, 12-month weighted average VOC content of all coatings (inks and varnish).

h The updated rolling, 12-month summation of the VOC emissions.

**3.** The permittee shall collect and record the following information for the purpose of determining annual VOC emissions:

a. The name and identification number of each coating, as applied.

b. The amount in pounds of each coating employed.

c. The VOC content of each coating, as applied, in percent by weight.

d. The annual VOC emissions from all coatings, in tons [the sum of (b) times (c) divided by 2000 lbs./ton].

## IV. Reporting Requirements

**1.** The permittee shall submit deviation (excursion) reports which identify any exceedance of the HAP emissions limitations set forth in term A.I.2.b as well as the corrective actions that were taken to achieve compliance. If no exceedances occurred during the reporting period then a report is required stating so.

**2.** The permittee shall submit deviation (excursion) reports which identify all exceedances of the VOC emissions limitations in term A.I.1 as well as the corrective actions that were taken to achieve compliance. If no exceedances occurred during the reporting

period then a report is required stating so.

**3.** The permittee shall submit deviation (excursion) reports which identify any exceedance of the usage limitations in terms A.II.1 and A.II.2 as well as the corrective actions that were taken to achieve compliance. If no exceedances occurred during the reporting period then a report is required stating so.

**4.** The permittee shall submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

**5.** The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of noncomplying coatings (see term A.I.2.c. ) The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

**6.** The permittee shall submit an initial notification as required by 40 CFR Part 63.830(b)(1).

**7.** The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

## V. Testing Requirements

**1.** Emission Limitations:
0.084 lb CO/mmBtu, 2.1 tons/yr CO
0.1 lb NOx/mmBtu, 2.39 tons/yr NOx
0.0006 lb SO2/mmBtu, 0.01 tons/yr SO2
0.011 lb VOC/mmBtu, 0.26 tons/yr VOC
0.0076 lb PE/PM10/mmBtu, 0.18 tons/yr PE/PM10

Applicable Compliance Method:
The lbs/mmBtu and TPY emission limitations for the combustion of natural gas are based on the emission units potential to emit.

Compliance with the lbs/mmBtu emission limitations may be demonstrated by the emission factors from AP-42, Section 1.4, Natural Gas Combustion (dated 7/98).

The TPY emission limitations may be demonstrated by multiplying the maximum heat

input (recorded in mmBtu/hr) to the dryers associated with this emissions unit, by the lbs/mmBtu emission factors from AP 42, Section 1.4., Natural Gas Combustion (dated 7/98) by 8760 hours per year, and then dividing by 2000.

Emissions Limitation
636.9 lbs VOC/day

Compliance Method
The daily VOC emission rate is based on the emission units potential to emit. The potential to emit was calculated by multiplying the maximum ink usage rate of 4752 lbs/day by the maximum VOC content employed of 11.18 percent by weight and adding this to the maximum varnish usage rate of 5280 lbs/day multiplied by the maximum VOC content employed of 2.0 percent by weight.

2 Emission Limitation:
56.8 tons/year VOC from coatings, based on a rolling 12-month summation

Applicable Compliance Method:
Compliance with the annual VOC limitation shall be based on the information collected and recorded in section III.2 of the terms and conditions of this permit. The annual VOC emission rate was determined by multiplying the daily average weighted fraction of VOC in the inks (0.080) by the annual usage of inks (1,159,000 lbs/year), adding this value to the daily average weighted fraction of VOC in the varnishes (0.015) multiplied by the annual usage of varnishes (1,388,000 lbs/year), and then dividing by 2000.

3 Compliance with the visible particulate emission limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002.

4 Compliance with the HAPs emissions limitations in term A.I.2.b shall be demonstrated by the record keeping requirements in term A.III.1.

5. USEPA methods 24 and 24A shall be used to determine the VOC content for inks, flexographic printing lines and related coatings and cleanup materials. If, pursuant to Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular ink, coating, or cleanup material the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that ink , coating, or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

6 Compliance with the usage limitations in terms A.II.1. and A.II.2 shall be demonstrated by the record keeping requirements in term A.III.2

## VI. Miscellaneous Requirements

1. The terms and conditions of this permit shall supercede the terms and conditions of PTI 15-05151, issued August 28, 2001 and the modification of PTI 15-05151, issued February 9, 2006.

## B. State Only Enforceable Section

## I. Applicable Emissions Limitations and/or Control Requirements

**1.** The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

| Operations, Property, and/or Equipment | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| K005 - 8-color rotogravure printing press with 8 dryers- second modification of PTI 14-05151, issued 2/9/2006 | | |

**2. Additional Terms and Conditions**

**2.a** None

## II. Operational Restrictions

None

## III. Monitoring and/or Recordkeeping Requirements

**1.** The permit to install for this emissions unit K005 was evaluated based on the actual materials(typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model(or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Ground-Level Concentration (MAGLC).

The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Ammonia

TLV (ug/m$^3$): 17,400

Maximum Hourly Emission Rate (lbs/hr): 1.79

Predicted 1-Hour Maximum Ground-Level Concentration at the Fenceline of 85 meters (ug/m$^3$): 207

MAGLC (ug/m$^3$): 414

Physical changes to or in the method of operation of the emissions unit after it's installation or modification could affect the parameters used to determine whether or not the "Air Toxics Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in the "Air Toxic Policy" include the following:

a. Changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. Changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. Physical changes to the emissions unit or its exhaust parameters (e.g., increased/decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of

any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is (are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will satisfy the Air Toxic Policy:"

a. a description of the parameters changed(composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of it's evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. when the computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

## IV. Reporting Requirements

None

## V. Testing Requirements

None

## VI. Miscellaneous Requirements

None