

**Synthetic Minor Determination and/or**  **Netting Determination**

Permit To Install **05-12568**

A. Source Description

AP Technoglass manufactures glass for automobiles. The facility receives glass in sheets, then molds, cuts, and coats the glass to suit a particular make or model of auto. The company uses a silk screen operation to coat the glass.

B. Facility Emissions and Attainment Status

To my knowledge, the facility emits only particulate, ethylene glycol HAPs, and organic compounds. The county in which AP Technoglass is located, Logan County, is currently in attainment for both of these pollutants. The facility-wide emissions will be more than 28 tons of ethylene glycol. The Title V trigger for an individual HAP is 10 tons. Given those facts, the company wishes to restrict their facility-wide HAPs to 10 tons of any individual HAP and 25 tons of any combination of HAPs.

C. Source Emissions

The sources in this permit action emit HAP and OC. The OC needs no restriction since the sources comply with the rule (21-07(G)(2)). The HAP, on the other hand, needs to be restricted or be subject to Title V. The facility has elected to restrict the potential to emit HAPs to 10 TPY of any individual HAP and 25 TPY of combined HAPs on a rolling twelve month basis. In order to demonstrate compliance, the facility will perform recordkeeping and monthly calculations.

D. Conclusion

The source has all necessary restrictions placed upon them to limit the potential to emit in order to avoid Title V HAPs triggers. Ohio EPA staff recommends that this permit be issued.



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

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

Lazarus Gov.  
Center

**RE: DRAFT PERMIT TO INSTALL  
LOGAN COUNTY  
Application No: 05-12568**

**CERTIFIED MAIL**

**DATE: 7/1/2003**

AP Technoglass Co  
Tom Schneider  
1465 W Sandusky Ave  
Bellefontaine, OH 43311-0819

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$2200** will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Michael W. Ahern, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

cc: USEPA

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PUBLIC NOTICE  
ISSUANCE OF DRAFT PERMIT TO INSTALL **05-12568** FOR AN AIR CONTAMINANT SOURCE FOR  
**AP TECHNOGLASS CO**

On 7/1/2003 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **AP Technoglass Co**, located at **1465 W Sandusky Ave, Bellefontaine, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 05-12568:

**Chapter 31 modification to existing lines and addition of two new sources.**

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.



**Permit To Install  
Terms and Conditions**

**Issue Date: To be entered upon final issuance  
Effective Date: To be entered upon final issuance**

**DRAFT PERMIT TO INSTALL 05-12568**

Application Number: 05-12568  
APS Premise Number: 0546000103  
Permit Fee: **To be entered upon final issuance**  
Name of Facility: AP Technoglass Co  
Person to Contact: Tom Schneider  
Address: 1465 W Sandusky Ave  
Bellefontaine, OH 43311-0819

Location of proposed air contaminant source(s) [emissions unit(s)]:

**1465 W Sandusky Ave  
Bellefontaine, Ohio**

Description of proposed emissions unit(s):

**Chapter 31 modification to existing lines and addition of two new sources.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit 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 emissions unit(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 and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

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Director

**Part I - GENERAL TERMS AND CONDITIONS**

**A. Permit to Install General Terms and Conditions**

**1. Compliance Requirements**

The emissions unit(s) identified in this Permit to Install 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 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 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 quarterly, i.e., 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. Records Retention Requirements**

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.

**4. Inspections and Information Requests**

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. 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

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information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. 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 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. 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 emissions unit(s) that is (are) served by such control system(s).

**6. 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.

**7. 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.

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install 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.

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

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions

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and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. 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 the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install 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.

**10. 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.

**11. Applicability**

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

**12. 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.

**13. Source Operation and Operating Permit Requirements After Completion of Construction**

- 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

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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

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must be obtained before 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 To Install 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.

**14. Construction Compliance Certification**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) 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.

**15. 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 this Permit to Install.

**B. 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

<u>Pollutant</u>	<u>Tons Per Year</u>
OC	93.4
Indivisual HAP	9.9
Combined HAP	24.9

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Emissions Unit ID: **K006**

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Emissions Unit ID: **K006**

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**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K006 - Silk screening operation (BL-03)	OAC rule 3745-31-05	Emissions from this unit shall not exceed 7.3 tons per year Organic Compound (OC).
		Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2) and OAC rule 3745-35-07(B).
	OAC rule 3745-21-07(G)(2)	
		Emissions from this unit shall not exceed 8 pounds per hour of OC and 40 pounds per day of OC from coatings.
	OAC rule 3745-35-07(B)	
		See section A.2.a.

**2. Additional Terms and Conditions**

- 2.a** The actual usage of Hazardous Air Pollutants (HAPs), as identified in Section 112(b) of

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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.

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- \* This assumes the HAPs emitted are the same as the amount of HAPs used since all HAPs used evaporate.

**B. Operational Restrictions**

1. Cleaning rags saturated with cleaning solvents shall be stored in a closed container when not in use.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records of the following for each day the silk-screen equipment is in operation:
  - a. the company identification for each ink and cleanup material employed;
  - b. the number of gallons of each ink and cleanup material employed;
  - c. the number of hours of operation;
  - d. the OC content of each ink and cleanup material employed;
  - e. the total OC emission rate for all inks and cleanup materials, in pounds per day; and
  - f. the average hourly OC emission rate for all inks and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information each month for the facility:
  - a. the name and identification number of each coating material employed;
  - b. the individual Hazardous Air Pollutant (HAP)\* content for each HAP of each coating material\* in pounds of individual HAP per gallon of coating, as applied;
  - c. the total combined HAP content of each coating material in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];
  - d. the number of gallons of each coating material\* employed;

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- e. the name and identification of each cleanup material employed;

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- f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
  - g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];
  - h. the number of gallons of each cleanup material employed;
  - i. the total individual HAP usage for each HAP from all coating material and cleanup material employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material];
  - j. the total combined HAP usage from all coating material and cleanup material 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\*\*, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and
  - l. the updated rolling, 12-month summation of usage for total combined HAP\*\*, 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 Ohio EPA, Southwest District Office contact. This information does not have to be kept on a line-by-line basis.
- \*\* This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporate.
3. The permittee shall collect and record the following information daily for the purpose of determining annual organic compound emissions:
- (a) the company identification for each nonphotochemically reactive cleanup material employed;
  - (b) the number of gallons of each nonphotochemically reactive cleanup material employed;
  - (c) the organic compound content of each nonphotochemically reactive cleanup material, in pounds per gallon; and

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- (d) the total controlled organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.

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4. The permittee shall record the following information each month:
  - a. the monthly summation of OC emissions from cleanup material in tons per month (i.e. the summation of the emissions determined in C.3.d for each day of the month divided by 2000).
  - b. the 12-month rolling summation of OC emissions from cleanup material in tons per year (i.e. the sum of the monthly summation from C.4.a and the monthly summation for the past eleven months).

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

1. The permittee shall submit deviation (excursion) reports which include the following information:
  - a. an identification of each hour during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual controlled organic compound emissions for each such hour;
  - b. an identification of each day during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual controlled organic compound emissions for each such day;
  - c. an identification of each month during which the individual HAP emissions at the facility exceeded 9.9 tons per year, based on a 12-month rolling average;
  - d. an identification of each month during which the combined HAP emissions at the facility exceeded 24.9 tons per year, based on a 12-month rolling average; and
  - e. an identification of each month during which the OC emissions from cleanup material at the facility exceeded 13.1 tons per year, based on a 12-month rolling average.
2. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I, General Term and Condition A.2 of this permit.

#### **E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation:**

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8.0 pounds per hour OC

40 pounds per day OC

7.3 tons per year OC

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.1 of these T&Cs.

Formulation data or USEPA Method 24 (for coatings) shall be used to determine the organic compound contents of the coatings and inks.

b. **Emission Limitation:**

Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.4 of these T&Cs.

2. Compliance with the HAP emissions limitation in term A.2.a shall be determined by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
2. The preceding terms and conditions in Sections II.A through II.F shall supersede all the air pollution control requirements for emissions unit K006 contained in permit to install number 05-2647 as issued on November 4, 1987.

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**Facility ID: 0546000103**

**Emissions Unit ID: K006**

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Emissions Unit ID: **K007**

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**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K007 - Silk screening operation (BT-02)	OAC rule 3745-31-05(A)(3)	Emissions from this unit shall not exceed 7.3 tons per year Organic Compound (OC).  Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year Organic Compound (OC), based on a rolling 12-month basis.
	OAC rule 3745-21-07(G)(2)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2) and OAC rule 3745-35-07(B).
	OAC rule 3745-35-07(B)	Emissions from this unit shall not exceed 8 pounds per hour of OC and 40 pounds per day of OC from coatings.  See section A.2.a.

**2. Additional Terms and Conditions**

- 2.a** The actual usage of Hazardous Air Pollutants (HAPs), as identified in Section 112(b) of

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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.

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\* This assumes the HAPs emitted are the same as the amount of HAPs used since all HAPs used evaporate.

**2.b** This emissions unit consists of units K007 and K008 as previously permitted. Since the two units were recently determined to be one unit for the purposes of permitting, the two are appropriately depicted as one unit in this permit represented by the emissions unit K007 designation..

**B. Operational Restrictions**

1. Cleaning rags saturated with cleaning solvents shall be stored in a closed container when not in use.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records of the following for each day the silk-screen equipment is in operation:
  - a. the company identification for each in and cleanup material employed;
  - b. the number of gallons of each ink and cleanup material employed;
  - c. the number of hours of operation;
  - d. the OC content of each ink and cleanup material employed;
  - e. the total OC emission rate for all inks and cleanup materials, in pounds per day; and
  - f. the average hourly OC emission rate for all inks and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information each month for the facility:
  - a. the name and identification number of each coating material employed;
  - b. the individual Hazardous Air Pollutant (HAP)\* content for each HAP of each coating

- 0material\* in pounds of individual HAP per gallon of coating, as applied;
- c. the total combined HAP content of each coating material in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];
  - d. the number of gallons of each coating material\* employed;
  - e. the name and identification of each cleanup material employed;
  - f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
  - g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];
  - h. the number of gallons of each cleanup material employed;
  - i. the total individual HAP usage for each HAP from all coating material and cleanup material employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material];
  - j. the total combined HAP usage from all coating material and cleanup material 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\*\*, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and
  - l. the updated rolling, 12-month summation of usage for total combined HAP\*\*, 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 Ohio EPA, Southwest District Office contact. This information does not have to be kept on a line-by-line basis.
- \*\* This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporated.
3. The permittee shall collect and record the following information daily for the purpose of determining annual organic compound emissions:
    - (a) the company identification for each nonphotochemically reactive cleanup material

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employed;

- (b) the number of gallons of each nonphotochemically reactive cleanup material employed;

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- (c) the organic compound content of each nonphotochemically reactive cleanup material, in pounds per gallon; and
  - (d) the total controlled organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.
4. The permittee shall record the following information each month:
- a. the monthly summation of OC emissions from cleanup material in tons per month (i.e. the summation of the emissions determined in C.3.d for each day of the month divided by 2000).
  - b. the 12-month rolling summation of OC emissions from cleanup material in tons per year (i.e. the sum of the monthly summation from C.4.a and the monthly summation for the past eleven months).

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the following information:
- a. an identification of each hour during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual controlled organic compound emissions for each such hour;
  - b. an identification of each day during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual controlled organic compound emissions for each such day;
  - c. an identification of each month during which the individual HAP emissions at the facility exceeded 9.9 tons per year, based on a 12-month rolling average;
  - d. an identification of each month during which the combined HAP emissions at the facility exceeded 24.9 tons per year, based on a 12-month rolling average; and
  - e. an identification of each month during which the OC emissions from cleanup material at the facility exceeded 13.1 tons per year, based on a 12-month rolling average.
2. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I, General Term and Condition A.2 of this permit.

**E. Testing Requirements**

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**Facility ID: 0546000103**

Emissions Unit ID: **K007**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

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Emissions Unit ID: **K007**

a. **Emission Limitation:**

8.0 pounds per hour OC

40 pounds per day OC

7.3 tons per year OC

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.1 of these T&Cs.

Formulation data or USEPA Method 24 (for coatings) shall be used to determine the organic compound contents of the coatings and inks.

b. **Emission Limitation:**

Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.4 of these T&Cs.

2. Compliance with the HAP emissions limitation in term A.2.a shall be determined by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
2. The preceding terms and conditions in Sections II.A through II.F shall supersede all the air pollution control requirements for emissions unit K007 and K008 contained in permit to install

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number 05-2647 as issued on November 4, 1987.

Emissions Unit ID: **K009**

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Emissions Unit ID: **K009**

Issued: To be entered upon final issuance

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
K009 - Silk screening operation (BTP-04)	OAC rule 3745-31-05(A)(3)	Emissions from this unit shall not exceed 7.3 tons per year Organic Compound (OC).  Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year Organic Compound (OC), based on a rolling 12-month basis.
	OAC rule 3745-21-07(G)(2)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2) and OAC rule 3745-35-07(B).
	OAC rule 3745-35-07(B)	Emissions from this unit shall not exceed 8 pounds per hour of OC and 40 pounds per day of OC from coatings.  See section A.2.a.

**2. Additional Terms and Conditions**

- 2.a** The actual usage of Hazardous Air Pollutants (HAPs), as identified in Section 112(b) of

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Emissions Unit ID: **K009**

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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.

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Emissions Unit ID: **K009**

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- \* This assumes the HAPs emitted are the same as the amount of HAPs used since all HAPs used evaporate.

**B. Operational Restrictions**

1. Cleaning rags saturated with cleaning solvents shall be stored in a closed container when not in use.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records of the following for each day the silk-screen equipment is in operation:
  - a. the company identification for each in and cleanup material employed;
  - b. the number of gallons of each ink and cleanup material employed;
  - c. the number of hours of operation;
  - d. the OC content of each ink and cleanup material employed;
  - e. the total OC emission rate for all inks and cleanup materials, in pounds per day; and
  - f. the average hourly OC emission rate for all inks and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information each month for the facility:
  - a. the name and identification number of each coating material employed;
  - b. the individual Hazardous Air Pollutant (HAP)\* content for each HAP of each coating material\* in pounds of individual HAP per gallon of coating, as applied;
  - c. the total combined HAP content of each coating material in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];

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- d. the number of gallons of each coating material\* employed;
- e. the name and identification of each cleanup material employed;

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- f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
  - g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];
  - h. the number of gallons of each cleanup material employed;
  - i. the total individual HAP usage for each HAP from all coating material and cleanup material employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material];
  - j. the total combined HAP usage from all coating material and cleanup material 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\*\*, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and
  - l. the updated rolling, 12-month summation of usage for total combined HAP\*\*, 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 Ohio EPA, Southwest District Office contact. This information does not have to be kept on a line-by-line basis.
- \*\* This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporated.
3. The permittee shall collect and record the following information daily for the purpose of determining annual organic compound emissions:
- (a) the company identification for each nonphotochemically reactive cleanup material employed;
  - (b) the number of gallons of each nonphotochemically reactive cleanup material employed;
  - (c) the organic compound content of each nonphotochemically reactive cleanup material, in pounds per gallon; and

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- (d) the total controlled organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.

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4. The permittee shall record the following information each month:
  - a. the monthly summation of OC emissions from cleanup material in tons per month (i.e. the summation of the emissions determined in C.3.d for each day of the month divided by 2000).
  - b. the 12-month rolling summation of OC emissions from cleanup material in tons per year (i.e. the sum of the monthly summation from C.4.a and the monthly summation for the past eleven months).

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

1. The permittee shall submit deviation (excursion) reports which include the following information:
  - a. an identification of each hour during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual controlled organic compound emissions for each such hour;
  - b. an identification of each day during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual controlled organic compound emissions for each such day;
  - c. an identification of each month during which the individual HAP emissions at the facility exceeded 9.9 tons per year, based on a 12-month rolling average;
  - d. an identification of each month during which the combined HAP emissions at the facility exceeded 24.9 tons per year, based on a 12-month rolling average; and
  - e. an identification of each month during which the OC emissions from cleanup material at the facility exceeded 13.1 tons per year, based on a 12-month rolling average.
2. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I, General Term and Condition A.2 of this permit.

#### **E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation:**

8.0 pounds per hour OC  
40 pounds per day OC  
7.3 tons per year OC

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.1 of these T&Cs.

Formulation data or USEPA Method 24 (for coatings) shall be used to determine the organic compound contents of the coatings and inks.

b. **Emission Limitation:**

Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.4 of these T&Cs.

2. Compliance with the HAP emissions limitation in term A.2.a shall be determined by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
2. The preceding terms and conditions in Sections II.A through II.F shall supersede all the air pollution control requirements for emissions unit K009 contained in permit to install number 05-2647 as issued on November 4, 1987.

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Emissions Unit ID: **R001**

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**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

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

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
R001 - Silk screening operation (BT-03)	OAC rule 3745-31-05(A)(3)	Emissions from this unit shall not exceed 7.3 tons per year Organic Compound (OC).
		Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year Organic Compound (OC), based on a rolling 12-month basis.
	OAC rule 3745-21-07(G)(2)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2) and OAC rule 3745-35-07(B).
	OAC rule 3745-35-07(B)	Emissions from this unit shall not exceed 8 pounds per hour of OC and 40 pounds per day of OC from coatings.
		See section A.2.a.

**2. Additional Terms and Conditions**

- The actual usage of Hazardous Air Pollutants (HAPs), as identified in Section 112(b) of

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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.

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Emissions Unit ID: **R001**

\* This assumes the HAPs emitted are the same as the amount of HAPs used since all HAPs used evaporate.

**2.b** This emissions unit consists of units R001, R002, and R003 as previously permitted. Since the three units were recently determined to be one unit for the purposes of permitting, the three are appropriately depicted as one unit in this permit represented by the emissions unit R001 designation..

**B. Operational Restrictions**

1. Cleaning rags saturated with cleaning solvents shall be stored in a closed container when not in use.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records of the following for each day the silk-screen equipment is in operation:
  - a. the company identification for each in and cleanup material employed;
  - b. the number of gallons of each ink and cleanup material employed;
  - c. the number of hours of operation;
  - d. the OC content of each ink and cleanup material employed;
  - e. the total OC emission rate for all inks and cleanup materials, in pounds per day; and
  - f. the average hourly OC emission rate for all inks and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information each month for the facility:
  - a. the name and identification number of each coating material employed;

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- b. the individual Hazardous Air Pollutant (HAP)\* content for each HAP of each coating material\* in pounds of individual HAP per gallon of coating, as applied;
- c. the total combined HAP content of each coating material in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];
- d. the number of gallons of each coating material\* employed;
- e. the name and identification of each cleanup material employed;
- f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
- g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];
- h. the number of gallons of each cleanup material employed;
- i. the total individual HAP usage for each HAP from all coating material and cleanup material employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material];
- j. the total combined HAP usage from all coating material and cleanup material 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\*\*, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and
- l. the updated rolling, 12-month summation of usage for total combined HAP\*\*, 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 Ohio EPA, Southwest District Office contact. This information does not have to be kept on a line-by-line basis.

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

Emissions Unit ID: R001

3. The permittee shall collect and record the following information daily for the purpose of determining annual organic compound emissions:
  - (a) the company identification for each nonphotochemically reactive cleanup material employed;
  - (b) the number of gallons of each nonphotochemically reactive cleanup material employed;
  - (c) the organic compound content of each nonphotochemically reactive cleanup material, in pounds per gallon; and
  - (d) the total controlled organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.
4. The permittee shall record the following information each month:
  - a. the monthly summation of OC emissions from cleanup material in tons per month (i.e. the summation of the emissions determined in C.3.d for each day of the month divided by 2000).
  - b. the 12-month rolling summation of OC emissions from cleanup material in tons per year (i.e. the sum of the monthly summation from C.4.a and the monthly summation for the past eleven months).

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

1. The permittee shall submit deviation (excursion) reports which include the following information:
  - a. an identification of each hour during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual controlled organic compound emissions for each such hour;
  - b. an identification of each day during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual controlled organic compound emissions for each such day;
  - c. an identification of each month during which the individual HAP emissions at the facility exceeded 9.9 tons per year, based on a 12-month rolling average;
  - d. an identification of each month during which the combined HAP emissions at the facility exceeded 24.9 tons per year, based on a 12-month rolling average; and
  - e. an identification of each month during which the OC emissions from cleanup material at the facility exceeded 13.1 tons per year, based on a 12-month rolling average.

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2. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I, General Term and Condition A.2 of this permit.

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

a. **Emission Limitation:**

8.0 pounds per hour OC  
40 pounds per day OC  
7.3 tons per year OC

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.1 of these T&Cs.

Formulation data or USEPA Method 24 (for coatings) shall be used to determine the organic compound contents of the coatings and inks.

b. **Emission Limitation:**

Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.4 of these T&Cs.

2. Compliance with the HAP emissions limitation in term A.2.a shall be determined by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified

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permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

2. The preceding terms and conditions in Sections II.A through II.F shall supersede all the air pollution control requirements for emissions unit R001, R002, and R003 contained in permit to install number 05-3968 as issued on November 29, 1989.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
R004 - Silk screening operation (BL-01)	OAC rule 3745-31-05(A)(3)	Emissions from this unit shall not exceed 7.3 tons per year Organic Compound (OC).
	OAC rule 3745-21-07(G)(2)	Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year Organic Compound (OC), based on a rolling 12-month basis.
	OAC rule 3745-35-07(B)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2) and OAC rule 3745-35-07(B).
		Emissions from this unit shall not exceed 8 pounds per hour of OC and 40 pounds per day of OC from coatings.
		See section A.2.a.

**2. Additional Terms and Conditions**

- 2.a The actual 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.

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- \* This assumes the HAPs emitted are the same as the amount of HAPs used since all HAPs used evaporate.

**B. Operational Restrictions**

1. Cleaning rags saturated with cleaning solvents shall be stored in a closed container when not in use.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records of the following for each day the silk-screen equipment is in operation:
  - a. the company identification for each in and cleanup material employed;
  - b. the number of gallons of each ink and cleanup material employed;
  - c. the number of hours of operation;
  - d. the OC content of each ink and cleanup material employed;
  - e. the total OC emission rate for all inks and cleanup materials, in pounds per day; and
  - f. the average hourly OC emission rate for all inks and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information each month for the facility:
  - a. the name and identification number of each coating material employed;
  - b. the individual Hazardous Air Pollutant (HAP)\* content for each HAP of each coating material\* in pounds of individual HAP per gallon of coating, as applied;
  - c. the total combined HAP content of each coating material in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];

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- d. the number of gallons of each coating material\* employed;
- e. the name and identification of each cleanup material employed;

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- f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
  - g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];
  - h. the number of gallons of each cleanup material employed;
  - i. the total individual HAP usage for each HAP from all coating material and cleanup material employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material];
  - j. the total combined HAP usage from all coating material and cleanup material 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\*\*, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and
  - l. the updated rolling, 12-month summation of usage for total combined HAP\*\*, 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 Ohio EPA, Southwest District Office contact. This information does not have to be kept on a line-by-line basis.
- \*\* This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporated.
3. The permittee shall collect and record the following information daily for the purpose of determining annual organic compound emissions:
- (a) the company identification for each nonphotochemically reactive cleanup material employed;
  - (b) the number of gallons of each nonphotochemically reactive cleanup material employed;
  - (c) the organic compound content of each nonphotochemically reactive cleanup material, in

pounds per gallon; and

- (d) the total controlled organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.
4. The permittee shall record the following information each month:
- a. the monthly summation of OC emissions from cleanup material in tons per month (i.e. the summation of the emissions determined in C.3.d for each day of the month divided by 2000).
  - b. the 12-month rolling summation of OC emissions from cleanup material in tons per year (i.e. the sum of the monthly summation from C.4.a and the monthly summation for the past eleven months).

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

1. The permittee shall submit deviation (excursion) reports which include the following information:
- a. an identification of each hour during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual controlled organic compound emissions for each such hour;
  - b. an identification of each day during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual controlled organic compound emissions for each such day;
  - c. an identification of each month during which the individual HAP emissions at the facility exceeded 9.9 tons per year, based on a 12-month rolling average;
  - d. an identification of each month during which the combined HAP emissions at the facility exceeded 24.9 tons per year, based on a 12-month rolling average; and
  - e. an identification of each month during which the OC emissions from cleanup material at the facility exceeded 13.1 tons per year, based on a 12-month rolling average.
2. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I, General Term and Condition A.2 of this permit.

#### **E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

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Emissions Unit ID: **R004**

a. **Emission Limitation:**

8.0 pounds per hour OC

40 pounds per day OC

7.3 tons per year OC

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Issued: To be entered upon final issuance

Emissions Unit ID: **R004**

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.1 of these T&Cs.

Formulation data or USEPA Method 24 (for coatings) shall be used to determine the organic compound contents of the coatings and inks.

b. **Emission Limitation:**

Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.4 of these T&Cs.

2. Compliance with the HAP emissions limitation in term A.2.a shall be determined by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
2. The preceding terms and conditions in Sections II.A through II.F shall supersede all the air pollution control requirements for emissions unit R004 contained in permit to install number 05-1581 as issued on October 8, 1986.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
R005 - Silk screening operation (BT-01)	OAC rule 3745-31-05(A)(3)	Emissions from this unit shall not exceed 7.3 tons per year Organic Compound (OC).
	OAC rule 3745-21-07(G)(2)	Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year Organic Compound (OC), based on a rolling 12-month basis.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2) and OAC rule 3745-35-07(B).
	OAC rule 3745-35-07(B)	Emissions from this unit shall not exceed 8 pounds per hour of OC and 40 pounds per day of OC from coatings.
		See section A.2.a.

**2. Additional Terms and Conditions**

- 2.a The actual 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.

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Emissions Unit ID: **R005**

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\* This assumes the HAPs emitted are the same as the amount of HAPs used since all HAPs used evaporate.

**2.b** This emissions unit consists of units R005 and R006 as previously permitted. Since the two units were recently determined to be one unit for the purposes of permitting, the two are appropriately depicted as one unit in this permit represented by the emissions unit R001 designation..

**B. Operational Restrictions**

1. Cleaning rags saturated with cleaning solvents shall be stored in a closed container when not in use.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records of the following for each day the silk-screen equipment is in operation:
  - a. the company identification for each in and cleanup material employed;
  - b. the number of gallons of each ink and cleanup material employed;
  - c. the number of hours of operation;
  - d. the OC content of each ink and cleanup material employed;
  - e. the total OC emission rate for all inks and cleanup materials, in pounds per day; and
  - f. the average hourly OC emission rate for all inks and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information each month for the facility:
  - a. the name and identification number of each coating material employed;
  - b. the individual Hazardous Air Pollutant (HAP)\* content for each HAP of each coating

Emissions Unit ID: R005

material\* in pounds of individual HAP per gallon of coating, as applied;

- c. the total combined HAP content of each coating material in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];
  - d. the number of gallons of each coating material\* employed;
  - e. the name and identification of each cleanup material employed;
  - f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
  - g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];
  - h. the number of gallons of each cleanup material employed;
  - i. the total individual HAP usage for each HAP from all coating material and cleanup material employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material];
  - j. the total combined HAP usage from all coating material and cleanup material 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\*\*, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and
  - l. the updated rolling, 12-month summation of usage for total combined HAP\*\*, 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 Ohio EPA, Southwest District Office contact. This information does not have to be kept on a line-by-line basis.
- \*\* This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporated.
3. The permittee shall collect and record the following information daily for the purpose of determining annual organic compound emissions:
    - (a) the company identification for each nonphotochemically reactive cleanup material

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Emissions Unit ID: **R005**

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employed;

- (b) the number of gallons of each nonphotochemically reactive cleanup material employed;

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- (c) the organic compound content of each nonphotochemically reactive cleanup material, in pounds per gallon; and
  - (d) the total controlled organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.
4. The permittee shall record the following information each month:
- a. the monthly summation of OC emissions from cleanup material in tons per month (i.e. the summation of the emissions determined in C.3.d for each day of the month divided by 2000).
  - b. the 12-month rolling summation of OC emissions from cleanup material in tons per year (i.e. the sum of the monthly summation from C.4.a and the monthly summation for the past eleven months).

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the following information:
- a. an identification of each hour during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual controlled organic compound emissions for each such hour;
  - b. an identification of each day during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual controlled organic compound emissions for each such day;
  - c. an identification of each month during which the individual HAP emissions at the facility exceeded 9.9 tons per year, based on a 12-month rolling average;
  - d. an identification of each month during which the combined HAP emissions at the facility exceeded 24.9 tons per year, based on a 12-month rolling average; and
  - e. an identification of each month during which the OC emissions from cleanup material at the facility exceeded 13.1 tons per year, based on a 12-month rolling average.
2. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I, General Term and Condition A.2 of this permit.

**E. Testing Requirements**

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**Facility ID: 0546000103**

Emissions Unit ID: **R005**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

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Emissions Unit ID: **R005**

a. **Emission Limitation:**

8.0 pounds per hour OC

40 pounds per day OC

7.3 tons per year OC

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.1 of these T&Cs.

Formulation data or USEPA Method 24 (for coatings) shall be used to determine the organic compound contents of the coatings and inks.

b. **Emission Limitation:**

Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.4 of these T&Cs.

2. Compliance with the HAP emissions limitation in term A.2.a shall be determined by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
2. The preceding terms and conditions in Sections II.A through II.F shall supersede all the air pollution control requirements for emissions unit R005 and R006 contained in permit to install

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number 05-1581 as issued on October 8, 1986.

Emissions Unit ID: **R005**



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Emissions Unit ID: **R007**

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**2.a** The actual 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.

\* This assumes the HAPs emitted are the same as the amount of HAPs used since all HAPs used evaporate.

**B. Operational Restrictions**

1. Cleaning rags saturated with cleaning solvents shall be stored in a closed container when not in use.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records of the following for each day the silk-screen equipment is in operation:
  - a. the company identification for each ink and cleanup material employed;
  - b. the number of gallons of each ink and cleanup material employed;
  - c. the number of hours of operation;
  - d. the OC content of each ink and cleanup material employed;
  - e. the total OC emission rate for all inks and cleanup materials, in pounds per day; and
  - f. the average hourly OC emission rate for all inks and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information each month for the facility:
  - a. the name and identification number of each coating material employed;
  - b. the individual Hazardous Air Pollutant (HAP)\* content for each HAP of each coating material\* in pounds of individual HAP per gallon of coating, as applied;

- c. the total combined HAP content of each coating material in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];
  - d. the number of gallons of each coating material\* employed;
  - e. the name and identification of each cleanup material employed;
  - f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
  - g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];
  - h. the number of gallons of each cleanup material employed;
  - i. the total individual HAP usage for each HAP from all coating material and cleanup material employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material];
  - j. the total combined HAP usage from all coating material and cleanup material 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\*\*, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and
  - l. the updated rolling, 12-month summation of usage for total combined HAP\*\*, 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 Ohio EPA, Southwest District Office contact. This information does not have to be kept on a line-by-line basis.
- \*\* This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporated.
3. The permittee shall collect and record the following information daily for the purpose of determining annual organic compound emissions:
    - (a) the company identification for each nonphotochemically reactive cleanup material employed;

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- (b) the number of gallons of each nonphotochemically reactive cleanup material employed;
  - (c) the organic compound content of each nonphotochemically reactive cleanup material, in pounds per gallon; and
  - (d) the total controlled organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.
4. The permittee shall record the following information each month:
- a. the monthly summation of OC emissions from cleanup material in tons per month (i.e. the summation of the emissions determined in C.3.d for each day of the month divided by 2000).
  - b. the 12-month rolling summation of OC emissions from cleanup material in tons per year (i.e. the sum of the monthly summation from C.4.a and the monthly summation for the past eleven months).

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the following information:
- a. an identification of each hour during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual controlled organic compound emissions for each such hour;
  - b. an identification of each day during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual controlled organic compound emissions for each such day;
  - c. an identification of each month during which the individual HAP emissions at the facility exceeded 9.9 tons per year, based on a 12-month rolling average;
  - d. an identification of each month during which the combined HAP emissions at the facility exceeded 24.9 tons per year, based on a 12-month rolling average; and
  - e. an identification of each month during which the OC emissions from cleanup material at the facility exceeded 13.1 tons per year, based on a 12-month rolling average.
2. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I,

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Facility ID: 0546000103

Emissions Unit ID: R007

General Term and Condition A.2 of this permit.

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. **Emission Limitation:**

- 8.0 pounds per hour OC
    - 40 pounds per day OC
    - 7.3 tons per year OC

- Applicable Compliance Method:**

- The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.1 of these T&Cs.

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Emissions Unit ID: **R007**

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Formulation data or USEPA Method 24 (for coatings) shall be used to determine the organic compound contents of the coatings and inks.

b. **Emission Limitation:**

Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.4 of these T&Cs.

2. Compliance with the HAP emissions limitation in term A.2.a shall be determined by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
2. The preceding terms and conditions in Sections II.A through II.F shall supersede all the air pollution control requirements for emissions unit R007 contained in permit to install number 05-1581 as issued on October 8, 1986.



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**Facility ID: 0546000103**

Emissions Unit ID: **R008**

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.

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Emissions Unit ID: **R008**

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- \* This assumes the HAPs emitted are the same as the amount of HAPs used since all HAPs used evaporate.

**B. Operational Restrictions**

1. Cleaning rags saturated with cleaning solvents shall be stored in a closed container when not in use.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records of the following for each day the silk-screen equipment is in operation:
  - a. the company identification for each in and cleanup material employed;
  - b. the number of gallons of each ink and cleanup material employed;
  - c. the number of hours of operation;
  - d. the OC content of each ink and cleanup material employed;
  - e. the total OC emission rate for all inks and cleanup materials, in pounds per day; and
  - f. the average hourly OC emission rate for all inks and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information each month for the facility:
  - a. the name and identification number of each coating material employed;
  - b. the individual Hazardous Air Pollutant (HAP)\* content for each HAP of each coating material\* in pounds of individual HAP per gallon of coating, as applied;
  - c. the total combined HAP content of each coating material in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];

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Emissions Unit ID: **R008**

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- d. the number of gallons of each coating material\* employed;
- e. the name and identification of each cleanup material employed;

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Emissions Unit ID: **R008**

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- f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
  - g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];
  - h. the number of gallons of each cleanup material employed;
  - i. the total individual HAP usage for each HAP from all coating material and cleanup material employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material];
  - j. the total combined HAP usage from all coating material and cleanup material 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\*\*, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and
  - l. the updated rolling, 12-month summation of usage for total combined HAP\*\*, 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 Ohio EPA, Southwest District Office contact. This information does not have to be kept on a line-by-line basis.
- \*\* This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporated.
3. The permittee shall collect and record the following information daily for the purpose of determining annual organic compound emissions:
- (a) the company identification for each nonphotochemically reactive cleanup material employed;
  - (b) the number of gallons of each nonphotochemically reactive cleanup material employed;
  - (c) the organic compound content of each nonphotochemically reactive cleanup material, in

pounds per gallon; and

- (d) the total controlled organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.
4. The permittee shall record the following information each month:
- a. the monthly summation of OC emissions from cleanup material in tons per month (i.e. the summation of the emissions determined in C.3.d for each day of the month divided by 2000).
  - b. the 12-month rolling summation of OC emissions from cleanup material in tons per year (i.e. the sum of the monthly summation from C.4.a and the monthly summation for the past eleven months).

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

1. The permittee shall submit deviation (excursion) reports which include the following information:
- a. an identification of each hour during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual controlled organic compound emissions for each such hour;
  - b. an identification of each day during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual controlled organic compound emissions for each such day;
  - c. an identification of each month during which the individual HAP emissions at the facility exceeded 9.9 tons per year, based on a 12-month rolling average;
  - d. an identification of each month during which the combined HAP emissions at the facility exceeded 24.9 tons per year, based on a 12-month rolling average; and
  - e. an identification of each month during which the OC emissions from cleanup material at the facility exceeded 13.1 tons per year, based on a 12-month rolling average.
2. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I, General Term and Condition A.2 of this permit.

#### **E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

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Emissions Unit ID: **R008**

a. **Emission Limitation:**

8.0 pounds per hour OC

40 pounds per day OC

7.3 tons per year OC

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Issued: To be entered upon final issuance

Emissions Unit ID: **R008**

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.1 of these T&Cs.

Formulation data or USEPA Method 24 (for coatings) shall be used to determine the organic compound contents of the coatings and inks.

b. **Emission Limitation:**

Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.4 of these T&Cs.

2. Compliance with the HAP emissions limitation in term A.2.a shall be determined by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
2. The preceding terms and conditions in Sections II.A through II.F shall supersede all the air pollution control requirements for emissions unit R008 contained in permit to install number 05-2222 as issued on February 4, 1987.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
R009 - Silk scening operation (BTP-03)	OAC rule 3745-31-05(A)(3)	Emissions from this unit shall not exceed 7.3 tons per year Organic Compound (OC).
		Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year Organic Compound (OC), based on a rolling 12-month basis.
	OAC rule 3745-21-07(G)(2)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2) and OAC rule 3745-35-07(B).
	OAC rule 3745-35-07(B)	Emissions from this unit shall not exceed 8 pounds per hour of OC and 40 pounds per day of OC from coatings.
		See section A.2.a.

**2. Additional Terms and Conditions**

- 2.a The actual 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.

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Emissions Unit ID: **R009**

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- \* This assumes the HAPs emitted are the same as the amount of HAPs used since all HAPs used evaporate.

**B. Operational Restrictions**

1. Cleaning rags saturated with cleaning solvents shall be stored in a closed container when not in use.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records of the following for each day the silk-screen equipment is in operation:
  - a. the company identification for each in and cleanup material employed;
  - b. the number of gallons of each ink and cleanup material employed;
  - c. the number of hours of operation;
  - d. the OC content of each ink and cleanup material employed;
  - e. the total OC emission rate for all inks and cleanup materials, in pounds per day; and
  - f. the average hourly OC emission rate for all inks and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information each month for the facility:
  - a. the name and identification number of each coating material employed;
  - b. the individual Hazardous Air Pollutant (HAP)\* content for each HAP of each coating material\* in pounds of individual HAP per gallon of coating, as applied;
  - c. the total combined HAP content of each coating material in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];

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- d. the number of gallons of each coating material\* employed;
- e. the name and identification of each cleanup material employed;

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- f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
  - g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];
  - h. the number of gallons of each cleanup material employed;
  - i. the total individual HAP usage for each HAP from all coating material and cleanup material employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material];
  - j. the total combined HAP usage from all coating material and cleanup material 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\*\*, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and
  - l. the updated rolling, 12-month summation of usage for total combined HAP\*\*, 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 Ohio EPA, Southwest District Office contact. This information does not have to be kept on a line-by-line basis.
- \*\* This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporated.
3. The permittee shall collect and record the following information daily for the purpose of determining annual organic compound emissions:
- (a) the company identification for each nonphotochemically reactive cleanup material employed;
  - (b) the number of gallons of each nonphotochemically reactive cleanup material employed;
  - (c) the organic compound content of each nonphotochemically reactive cleanup material, in

pounds per gallon; and

- (d) the total controlled organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.
4. The permittee shall record the following information each month:
    - a. the monthly summation of OC emissions from cleanup material in tons per month (i.e. the summation of the emissions determined in C.3.d for each day of the month divided by 2000).
    - b. the 12-month rolling summation of OC emissions from cleanup material in tons per year (i.e. the sum of the monthly summation from C.4.a and the monthly summation for the past eleven months).

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

1. The permittee shall submit deviation (excursion) reports which include the following information:
  - a. an identification of each hour during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual controlled organic compound emissions for each such hour;
  - b. an identification of each day during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual controlled organic compound emissions for each such day;
  - c. an identification of each month during which the individual HAP emissions at the facility exceeded 9.9 tons per year, based on a 12-month rolling average;
  - d. an identification of each month during which the combined HAP emissions at the facility exceeded 24.9 tons per year, based on a 12-month rolling average; and
  - e. an identification of each month during which the OC emissions from cleanup material at the facility exceeded 13.1 tons per year, based on a 12-month rolling average.
2. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I, General Term and Condition A.2 of this permit.

#### **E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

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a. **Emission Limitation:**

8.0 pounds per hour OC

40 pounds per day OC

7.3 tons per year OC

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**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.1 of these T&Cs.

Formulation data or USEPA Method 24 (for coatings) shall be used to determine the organic compound contents of the coatings and inks.

b. **Emission Limitation:**

Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.4 of these T&Cs.

2. Compliance with the HAP emissions limitation in term A.2.a shall be determined by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
2. The preceding terms and conditions in Sections II.A through II.F shall supersede all the air pollution control requirements for emissions unit R009 contained in permit to install number 05-3083 as issued on June 29, 1988.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
R010 - Silk screening operation (BTP-02)	OAC rule 3745-31-05(A)(3)	Emissions from this unit shall not exceed 7.3 tons per year Organic Compound (OC).
		Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year Organic Compound (OC), based on a rolling 12-month basis.
	OAC rule 3745-21-07(G)(2)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2) and OAC rule 3745-35-07(B).
	OAC rule 3745-35-07(B)	Emissions from this unit shall not exceed 8 pounds per hour of OC and 40 pounds per day of OC from coatings.
		See section A.2.a.

**2. Additional Terms and Conditions**

- 2.a The actual 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.

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- \* This assumes the HAPs emitted are the same as the amount of HAPs used since all HAPs used evaporate.

**B. Operational Restrictions**

1. Cleaning rags saturated with cleaning solvents shall be stored in a closed container when not in use.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records of the following for each day the silk-screen equipment is in operation:
  - a. the company identification for each in and cleanup material employed;
  - b. the number of gallons of each ink and cleanup material employed;
  - c. the number of hours of operation;
  - d. the OC content of each ink and cleanup material employed;
  - e. the total OC emission rate for all inks and cleanup materials, in pounds per day; and
  - f. the average hourly OC emission rate for all inks and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information each month for the facility:
  - a. the name and identification number of each coating material employed;
  - b. the individual Hazardous Air Pollutant (HAP)\* content for each HAP of each coating material\* in pounds of individual HAP per gallon of coating, as applied;
  - c. the total combined HAP content of each coating material in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];

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- d. the number of gallons of each coating material\* employed;
- e. the name and identification of each cleanup material employed;

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- f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
  - g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];
  - h. the number of gallons of each cleanup material employed;
  - i. the total individual HAP usage for each HAP from all coating material and cleanup material employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material];
  - j. the total combined HAP usage from all coating material and cleanup material 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\*\*, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and
  - l. the updated rolling, 12-month summation of usage for total combined HAP\*\*, 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 Ohio EPA, Southwest District Office contact. This information does not have to be kept on a line-by-line basis.
- \*\* This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporated.
3. The permittee shall collect and record the following information daily for the purpose of determining annual organic compound emissions:
- (a) the company identification for each nonphotochemically reactive cleanup material employed;
  - (b) the number of gallons of each nonphotochemically reactive cleanup material employed;
  - (c) the organic compound content of each nonphotochemically reactive cleanup material, in

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pounds per gallon; and

- (d) the total controlled organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.
4. The permittee shall record the following information each month:
- a. the monthly summation of OC emissions from cleanup material in tons per month (i.e. the summation of the emissions determined in C.3.d for each day of the month divided by 2000).
  - b. the 12-month rolling summation of OC emissions from cleanup material in tons per year (i.e. the sum of the monthly summation from C.4.a and the monthly summation for the past eleven months).

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

1. The permittee shall submit deviation (excursion) reports which include the following information:
- a. an identification of each hour during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual controlled organic compound emissions for each such hour;
  - b. an identification of each day during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual controlled organic compound emissions for each such day;
  - c. an identification of each month during which the individual HAP emissions at the facility exceeded 9.9 tons per year, based on a 12-month rolling average;
  - d. an identification of each month during which the combined HAP emissions at the facility exceeded 24.9 tons per year, based on a 12-month rolling average; and
  - e. an identification of each month during which the OC emissions from cleanup material at the facility exceeded 13.1 tons per year, based on a 12-month rolling average.
2. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I, General Term and Condition A.2 of this permit.

#### **E. Testing Requirements**

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1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. **Emission Limitation:**

8.0 pounds per hour OC

40 pounds per day OC

7.3 tons per year OC

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Emissions Unit ID: **R010**

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.1 of these T&Cs.

Formulation data or USEPA Method 24 (for coatings) shall be used to determine the organic compound contents of the coatings and inks.

b. **Emission Limitation:**

Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.4 of these T&Cs.

2. Compliance with the HAP emissions limitation in term A.2.a shall be determined by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.



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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.

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- \* This assumes the HAPs emitted are the same as the amount of HAPs used since all HAPs used evaporate.

**B. Operational Restrictions**

1. Cleaning rags saturated with cleaning solvents shall be stored in a closed container when not in use.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records of the following for each day the silk-screen equipment is in operation:
  - a. the company identification for each in and cleanup material employed;
  - b. the number of gallons of each ink and cleanup material employed;
  - c. the number of hours of operation;
  - d. the OC content of each ink and cleanup material employed;
  - e. the total OC emission rate for all inks and cleanup materials, in pounds per day; and
  - f. the average hourly OC emission rate for all inks and cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

2. The permittee shall collect and record the following information each month for the facility:
  - a. the name and identification number of each coating material employed;
  - b. the individual Hazardous Air Pollutant (HAP)\* content for each HAP of each coating material\* in pounds of individual HAP per gallon of coating, as applied;
  - c. the total combined HAP content of each coating material in pounds of combined HAPs per gallon of coating, as applied [sum all the individual HAP contents from (b)];

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- d. the number of gallons of each coating material\* employed;
- e. the name and identification of each cleanup material employed;

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- f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
  - g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied [sum all the individual HAP contents from (f)];
  - h. the number of gallons of each cleanup material employed;
  - i. the total individual HAP usage for each HAP from all coating material and cleanup material employed, in pounds or tons per month [for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material];
  - j. the total combined HAP usage from all coating material and cleanup material 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\*\*, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and
  - l. the updated rolling, 12-month summation of usage for total combined HAP\*\*, 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 Ohio EPA, Southwest District Office contact. This information does not have to be kept on a line-by-line basis.
- \*\* This assumes the HAP(s) emitted are the same as the amounts of HAP(s) used since all HAP(s) used evaporated.
3. The permittee shall collect and record the following information daily for the purpose of determining annual organic compound emissions:
- (a) the company identification for each nonphotochemically reactive cleanup material employed;
  - (b) the number of gallons of each nonphotochemically reactive cleanup material employed;
  - (c) the organic compound content of each nonphotochemically reactive cleanup material, in

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pounds per gallon; and

- (d) the total controlled organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.
4. The permittee shall record the following information each month:
- a. the monthly summation of OC emissions from cleanup material in tons per month (i.e. the summation of the emissions determined in C.3.d for each day of the month divided by 2000).
  - b. the 12-month rolling summation of OC emissions from cleanup material in tons per year (i.e. the sum of the monthly summation from C.4.a and the monthly summation for the past eleven months).

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the following information:
- a. an identification of each hour during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual controlled organic compound emissions for each such hour;
  - b. an identification of each day during which the controlled organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual controlled organic compound emissions for each such day;
  - c. an identification of each month during which the individual HAP emissions at the facility exceeded 9.9 tons per year, based on a 12-month rolling average;
  - d. an identification of each month during which the combined HAP emissions at the facility exceeded 24.9 tons per year, based on a 12-month rolling average; and
  - e. an identification of each month during which the OC emissions from cleanup material at the facility exceeded 13.1 tons per year, based on a 12-month rolling average.
2. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I, General Term and Condition A.2 of this permit.

**E. Testing Requirements**

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Facility ID: 0546000103

Emissions Unit ID: R011

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
  - a. **Emission Limitation:**
    - 8.0 pounds per hour OC
    - 40 pounds per day OC
    - 7.3 tons per year OC

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Emissions Unit ID: **R011**

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**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.1 of these T&Cs.

Formulation data or USEPA Method 24 (for coatings) shall be used to determine the organic compound contents of the coatings and inks.

b. **Emission Limitation:**

Emissions from clean-up for units K006, K007, K009, R001, R004, R005, R007, R008, R009, R010, and R011 shall not exceed 13.1 tons per year of Organic Compound (OC), based on a rolling 12-month basis.

**Applicable Compliance Method:**

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirements of section C.4 of these T&Cs.

2. Compliance with the HAP emissions limitation in term A.2.a shall be determined by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.