



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION  
CUYAHOGA COUNTY**

**CERTIFIED MAIL**

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049

**Application No: 13-03812**

**DATE: 12/27/2001**

Great Lakes Lithograph Company  
Kostika Radivoj  
4005 Clark Avenue  
Cleveland, OH 44109

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

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

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

CBAPC



**Permit To Install  
Terms and Conditions**

**Issue Date: 12/27/2001  
Effective Date: 12/27/2001**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 13-03812

Application Number: 13-03812  
APS Premise Number: 1318007906  
Permit Fee: **\$1200**  
Name of Facility: Great Lakes Lithograph Company  
Person to Contact: Kostika Radivoj  
Address: 4005 Clark Avenue  
Cleveland, OH 44109

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**4005 Clark Avenue  
Cleveland, Ohio**

Description of proposed emissions unit(s):  
**Three Lithographic printing presses -- K002, K003, and K004.**

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

This permit is granted subject to the conditions attached hereto.

  
Ohio Environmental Protection Agency

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 Related to Monitoring and Recordkeeping 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 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 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

**Great Lakes Lithograph Company**  
**PTI Application: 13-03812**  
**Modification Issued: 12/27/2001**

**Facility ID: 1318007906**

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 application must be made to the Director for the installation or modification of any other emissions unit(s).

**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 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

**Great Lakes Lithograph Company**  
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modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification 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

Emissions Unit ID: **K002**

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 thirty (30) 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>
VOC	31.7

**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>
K002 - Seven color sheet fed non-heatset lithographic printing press with aqueous coating station	OAC rule 3745-31-05(A)(3)	Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 3.52 lb/hour and 15.4 ton per year (TPY), including VOC from inks, cleanup materials, fountain solutions, and coatings.
	OAC rule 3745-21-07(G)(2)	The requirements of this rules also include compliance with the requirements of OAC rule 3745-21-07(G)(2).
		see A.2.a

**2. Additional Terms and Conditions**

- 2.a No photochemically reactive materials as defined in OAC rule 3745-21-01(C)(5) are employed, applied, evaporated, or dried in this emission unit. Therefore, there is no applicable OC emission limitation from this rule.

**B. Operational Restrictions**

None

**C. Monitoring and/or Record Keeping Requirements**

- 1. The permittee shall collect and record the following information for each month for the printing

**Modification Issued: 12/27/2001**

operation:

- a. the company identification for each ink, coating, fountain solution, and cleanup material employed;
  - b. the number of gallons of each ink, coating, fountain solution, and cleanup material employed;
  - c. the organic compound content of each ink, coating, fountain solution, and cleanup material, in pounds per gallon;
  - d. the total organic compound emission rate for all inks, coatings, fountain solutions, and cleanup materials, in pounds per month, calculated using the product allocation factor developed for each material, as per Section C.2 below, and the emission factor determined using Ohio EPA Engineering Guide #68;
  - e. the total number of hours the emissions unit was in operation during the month; and,
  - f. the average hourly organic compound emission rate for all inks, coatings, fountain solutions, and cleanup materials, i.e., (d)/(e), in pounds per hour (average).
2. At the end of each year the permittee shall re-calculate the per-press allocation factors for all inks, coatings, fountain solutions, and cleanup materials applied in the non-heatset presses, using the annual press hours from the previous calendar year or re-calculated per the current year's press operating plans. If material usage records are maintained individually for each non-heatset press, and used to calculate emissions, the allocation factor shall not be required.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the identification of each month during which the average hourly total organic compound emissions exceeded 3.52 pounds per hour, and the actual organic compound emissions for each such month.
2. The permittee shall also submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

**E. Testing Requirements**

Compliance with the emissions limitations in section A.1 of these terms and conditions shall be

**Modification Issued: 12/27/2001**

determined in accordance with the following methods:

1. Emission Limitation: 3.52 lbs of VOC / hour

Applicable Compliance Method:

Compliance shall be determined based upon record keeping specified in section II.C.1

2. Emission Limitation: 15.4 TPY of VOC

Applicable Compliance Method:

The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the yearly limitation

**F. Miscellaneous Requirements**

None

**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>
K003 - Six color sheet fed non-heatset lithographic press with aqueous coater	OAC rule 3745-31-05(A)(3)	Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 2.64 lb/hour and 11.6 tons per year (TPY), including VOC from inks, cleanup materials, fountain solutions, and coatings.  The requirements of this rules also include compliance with the requirements of OAC rule 3745-21-07(G)(2).
	OAC rule 3745-21-07(G)(2)	see A.2.a

**2. Additional Terms and Conditions**

- 2.a No photochemically reactive materials as defined in OAC rule 3745-21-01(C)(5) are employed, applied, evaporated, or dried in this emission unit. Therefore, there is no applicable OC emission limitation from this rule.

**B. Operational Restrictions**

None

**C. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each month for the printing

**Modification Issued: 12/27/2001**

operation:

- a. The company identification for each ink, coating, fountain solution, and cleanup material employed;
  - b. The number of gallons of each ink, coating, fountain solution, and cleanup material employed;
  - c. The organic compound content of each ink, coating, fountain solution, and cleanup material, in pounds per gallon;
  - d. the total organic compound emission rate for all inks, coatings, fountain solutions, and cleanup materials, in pounds per month, calculated using the product allocation factor developed for each material, as per Section C.2 below, and the emission factor determined using Ohio EPA Engineering Guide #68;
  - e. The total number of hours the emissions unit was in operation during the month; and,
  - f. The average hourly organic compound emission rate for all inks, coatings, fountain solution, and cleanup materials, i.e., (d)/(e), in pounds per hour (average).
2. At the end of each year the permittee shall re-calculate the per-press allocation factors for all inks, coatings, fountain solutions, and cleanup materials applied in the non-heatset presses, using the annual press hours from the previous calendar year or re-calculated per the current year's press operating plans. If material usage records are maintained individually for each non-heatset press, and used to calculate emissions, the allocation factor shall not be required.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the identification of each month during which the average hourly total organic compound emissions exceeded 2.64 pounds per hour, and the actual organic compound emissions for each such month.
2. The permittee shall also submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

**E. Testing Requirements**

**Modification Issued: 12/27/2001**

Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

1. Emission Limitation: 2.64 lbs of VOC / hour

Applicable Compliance Method:

Compliance shall be determined based upon record keeping specified in section II.C.1.

2. Emission Limitation: 11.6 TPY of VOC

Applicable Compliance Method:

The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the yearly limitation.

**F. Miscellaneous Requirements**

None

**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>
K004 - Five-color roll-fed heatset web press one half the size	OAC rule 3745-31-05 (A)(3)	Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 1.08 lb/hour and 4.7 tons per year (TPY), including VOC from inks, cleanup materials, fountain solutions, and coatings.  The requirements of this rules also include compliance with the requirements of OAC rule 3745-21-07(G)(2).
	OAC rule 3745-21-07(G)(2)	see A.2.a

**2. Additional Terms and Conditions**

- 2.a No photochemically reactive materials as defined in OAC rule 3745-21-01(C)(5) are employed, applied, evaporated, or dried in this emission unit. Therefore, there is no applicable OC emission limitation from this rule.

**B. Operational Restrictions**

None

**C. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each month for the printing

**Modification Issued: 12/27/2001**

operation:

- a. The company identification for each ink, coating, fountain solution, and cleanup material employed;
  - b. The number of gallons of each ink, coating, fountain solution, and cleanup material employed;
  - c. The organic compound content of each ink, coating, fountain solution, and clean up material, in pounds per gallon;
  - d. the total organic compound emission rate for all inks, coatings, fountain solutions, and cleanup materials, in pounds per month, calculated using the product allocation factor developed for each material, as per Section C.2 below, and the emission factor determined using Ohio EPA Engineering Guide #68;
  - e. the total number of hours the emissions unit was in operation during the month; and,
  - f. the average hourly organic compound emission rate for all inks, coatings, fountain solutions, and cleanup materials, i.e., (d)/(e), in pounds per hour (average).
2. At the end of each year the permittee shall re-calculate the per-press allocation factors for all inks, coatings, fountain solutions, and cleanup materials applied in the non-heatset presses, using the annual press hours from the previous calendar year or re-calculated per the current year's press operating plans. If material usage records are maintained individually for each non-heatset press, and used to calculate emissions, the allocation factor shall not be required.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which include the identification of each month during which the average hourly total organic compound emissions exceeded 1.08 pounds per hour, and the actual organic compound emissions for each such month.
2. The permittee shall also submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

**E. Testing Requirements**

**Modification Issued: 12/27/2001**

Compliance with the emissions limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

1. Emission Limitation: 1.08 lbs of VOC / hour

Applicable Compliance Method:

Compliance shall be determined based upon record keeping specified in section II.C.1

2. Emission Limitation: 4.7 TPY of VOC

Applicable Compliance Method:

The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the yearly limitation.

**F. Miscellaneous Requirements**

None

**NEW SOURCE REVIEW FORM B**

PTI Number: 13-03812 Facility ID: 1318007906

FACILITY NAME Great Lakes Lithograph Company

FACILITY DESCRIPTION Lithographic Printing CITY/TWP Cleveland

SIC CODE 2752 SCC CODE 4-05-004-01 EMISSIONS UNIT ID K002

EMISSIONS UNIT DESCRIPTION Seven color sheet fed non-heatset lithographic printing press with aqueous coater

DATE INSTALLED 2/98

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds		3.52 lb/hr	10.47	3.52 lb/hr	15.4
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

**Enter Determination** In compliance with the rules and regulations and terms and conditions for the source. The basis for the determination is knowledge of the source.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$0

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES x NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

**NEW SOURCE REVIEW FORM B**

PTI Number: 13-03812

Facility ID: 1318007906

FACILITY NAME Great Lakes Lithograph Company

FACILITY DESCRIPTION Lithographic Printing

CITY/TWP Cleveland

Emissions Unit ID: **K004**

SIC CODE 2752

SCC CODE 4-05-004-01

EMISSIONS UNIT ID K003

EMISSIONS UNIT DESCRIPTION Six color sheet fed non-heatset lithographic press with aqueous coater

DATE INSTALLED 5/95

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds		2.64 lb/hr	7.95	2.64 lb/hr	11.6
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

**Enter Determination** In compliance with the rules and regulations and terms and conditions for the source. The basis for the determination is knowledge of the source.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$0

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES X NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_



**NEW SOURCE REVIEW FORM B**

PTI Number: 13-03812

Facility ID: 1318007906

FACILITY NAME Great Lakes Lithograph Company

FACILITY DESCRIPTION Lithographic Printing

CITY/TWP Cleveland

Emissions Unit ID: **K004**

**Ohio EPA Permit to Install Information Form** Please describe below any documentation which is being submitted with this recommendation (must be sent the same day). Electronic items should be submitted with the e-mail transmitting the PTI terms, and in software that CO can utilize. If mailing any hard copy, this section must be printed as a cover page. All items must be clearly labeled indicating the PTI name and number. Submit **hard copy items to Pam McGraner**, AQM&P, DAPC, Central Office, and electronic files to **airpti@epa.state.oh.us**

Please fill out the following. If the checkbox does not work, replace it with an 'X'

	Electronic	<u>Additional information File Name Convention (your PTI # plus this letter)</u>	<u>Hard Copy</u>	<u>None</u>
Calculations (required)	<input checked="" type="checkbox"/>	1303812c.wpd	<input type="checkbox"/>	
Modeling form/results	<input type="checkbox"/>	0000000s.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PTI Application (complete or partial)*	<input type="checkbox"/>	0000000a.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BAT Study	<input type="checkbox"/>	0000000b.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other/misc.	<input type="checkbox"/>	1303812t.wpd	<input checked="" type="checkbox"/>	<input type="checkbox"/>

\* Mandatory for netting, PSD, nonattainment NSR, 112(g), 21-07(G)(9)(g) and 21-09(U)(2)(f) - 2 complete copies.

Please complete (see comment bubble to the left for additional instructions):

**NSR Discussion**

Three lithographic presses: two (2) non-heatset presses, and one (1) heatset press. OAC rule 3745-21-07(G)(1) is not applicable to the heatset press since no direct flame contacts the paper (see engineering guide #56 for explanation). All press ink, coating, fountain solution, and clean up materials employed were calculated into one VOC limitation per source. The summation of each toxic (2-Butoxythanol, Ethylene Glycol, Glycol Ether, Isopropyl Alcohol, and Propylene Glycol) was less than one (1) ton each, which is why no modeling was performed.

Please complete for these type permits (For PSD/NSR Permit, place mouse over this text):

**Synthetic Minor Determination and/or**  **Netting Determination**  
Permit To Install **ENTER PTI NUMBER HERE**

- A. Source Description
- B. Facility Emissions and Attainment Status
- C. Source Emissions
- D. Conclusion

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

NONE

**2 NEW SOURCE REVIEW FORM B**

PTI Number: 13-03812

Facility ID: 1318007906

FACILITY NAME Great Lakes Lithograph Company

FACILITY DESCRIPTION Lithographic Printing

CITY/TWP Cleveland

Emissions Unit ID: **K004**

Please complete:

SUMMARY (for informational purposes only)

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

**Pollutant**

**Tons Per Year**

VOC

31.7