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Facility Name: **Frontier Printing Inks, Corporation**

Application Number: **14-4676**

Date: **February 18, 1999**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(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 Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(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 Ohio Administrative Code (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

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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 applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

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.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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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.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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| <u>Ohio EPA Source Number</u> | <u>Source Identification Number</u> | <u>BAT Determination</u> | <u>Applicable Federal & OAC Rules</u> | <u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u> |
|---|---|------------------------------|---|--|
|---|---|------------------------------|---|--|

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Frontier Printing Inks, Corporation** located in **Butler** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

| <u>Ohio EPA Source Number</u> | <u>Source Identification Description</u> |
|---|--|
| P014 | Shot mill #3 w/cover and fabric filter |

P015 cont'd

| | |
|------|--|
| P015 | Air mixer w/cover and fabric filter |
|------|--|

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|---|---|------------------------------|---|--|
|---|---|------------------------------|---|--|

BAT
Determination

Use of cover
and fabric
filter

Use of cover
and fabric
filter

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| <u>Ohio EPA Source Number</u> | <u>Source Identification Number</u> | <u>BAT Determination</u> | <u>Applicable Federal & OAC Rules</u> | <u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u> |
|-------------------------------|-------------------------------------|--------------------------|---|--|
| | | 3745-17-11* | | Condition A.1. |
| | | 3745-21-07 (G) * | Permit Allowable Mass Emissions and/or Control/Usage Requirements | Less stringent |
| | Applicable Federal & OAC Rules | 3745-15-07 | | Less stringent |
| | | 3745-31-05 | .94 lb OC/hr, 22.5 lbs OC/day and 4.1 TPY OC | See General Terms |
| | | 3745-17-07 (A) | 0.25 lb PM-PM ₁₀ /hr and 1.1 TPY PM/PM ₁₀ | |
| | | 3745-17-11* | See Additional Special Term and Condition A.1. | |
| | | 3745-17-11* | Less stringent | |
| | | 3745-21-07 (G) * | Less stringent | |
| | | 3745-15-07 | See General Terms | |
| | | 3745-31-05 | .94 lb OC/hr, 22.5 lbs OC/day and 4.1 TPY OC | |
| | | 3745-17-07 (A) | 0.25 lb PM-PM ₁₀ /hr and 1.1 TPY PM/PM ₁₀ | |
| | | 3745-17-07 (A) | See Additional Special Term and | |

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* The emission limitations established by this rule is less stringent than those established by OAC rule 3745-31-05 (BAT).

SUMMARY
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

| <u>Pollutant</u> | <u>Tons/Year</u> | |
|------------------|------------------|---------------------|
| Organic Compound | 8.2 | |
| PM | 2.2 | Pm=PM ₁₀ |
| PM ₁₀ | 2.2 | Pm=PM ₁₀ |

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Hamilton County Dept. of Env. Services, Air Quality Programs, 250 William Howard Taft Road, Cincinnati, Ohio 45219-2660.**

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

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MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Hamilton County Dept. of Env. Services, Air Quality Programs, 250 William Howard Taft Road, Cincinnati, Ohio 45219-2660.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Applicable Emission Limitations and/or Control Requirements

1. Visible particulate emissions from emissions units P014

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and P015 shall not exceed 20% opacity as a six-minute average.

2. The OC emissions from each emissions unit shall not exceed the following:
0.94 lb OC/hr, 22.5 lbs OC/day and 4.1 TPY OC
3. The PM/PM₁₀ emissions from each emissions unit shall not exceed the following: 0.25 lb PM-PM₁₀/hr and 1.1 TPY PM-PM₁₀.
4. The daily emissions limitation(s) outlined in this permit are based upon the maximum hourly production/application rate at 24 hours per day. Therefore, no daily records are required.

B. Operational Restrictions

1. Emissions units P014 and P015 shall be equipped and operated with a cover and a fabric filter.

C. Monitoring and Recordkeeping Requirements

1. 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, unless otherwise specified in this permit. 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.

D. Reporting requirements

None

E. Compliance Methods/Testing Requirements

1. The OC emissions are calculated by multiplying the pounds of solvent employed by 1% OC emitted.
2. The PM emissions shall be calculated by using the emissions factor from AP-42 Chapter 6.4 (1% PM emission loss per pound of pigment).