

Facility ID: 0247040856 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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Facility ID: 0247040856 Emissions Unit ID: K001 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
Six-color flexographic printing line for polyethylene packaging material (Kidder Press)	OAC rule 3745-31-05(A)(3) (PTI 02-6165)	Organic compound emissions from printing operations shall not exceed 3.75 pounds per hour.
	OAC rule 3745-21-09(Y)	Organic compound emissions from clean-up operations shall not exceed 13.5 pounds per day. Exempt per OAC rule 3745-21-09(Y)(2)(b).
		See section A.2.a below.

2. **Additional Terms and Conditions**
 - (a) This printing line is exempt from the requirements of OAC rule 3745-21-09(Y)(1) as long as the total maximum usage of coatings and inks in all flexographic, packaging rotogravure and publication rotogravure printing lines at this facility is less than or equal to 148 tpy.

B. Operational Restrictions

1. The volatile organic compound content of all inks and coatings employed shall not exceed 5.5 pounds per gallon, excluding water, as applied.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records which list the following information for each coating or ink employed in the printing press:
 - a. the facility identification of each ink and thinner employed;
 - b. the pounds of organic compounds per gallon of each ink and thinner employed;
 - c. the number of gallons of ink and thinner employed;
 - d. the hours of operation; and
 - e. the hourly emissions of organic compounds (b x c/d).
2. The permittee shall maintain daily records which list the following information for each coating or ink employed for clean-up purposes:
 - a. the facility identification of each ink and thinner employed;
 - b. the pounds of organic compounds per gallon of each ink and thinner employed;
 - c. the number of gallons of ink and thinner employed; and
 - d. the daily emissions of organic compounds (b x c).

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the hourly emission limitation, as well as the corrective action that was taken to achieve compliance. This report shall be submitted by January 31 of each year.
2. The permittee shall submit annual reports that identify any exceedances of the daily emission limitation, as well as the corrective action that was taken to achieve compliance. This report shall be submitted by January 31 of each year.
3. The permittee shall submit annual reports that identify any exceedances of the pounds of volatile organic compound (VOC) content per gallon of ink or coating. This report shall be submitted by January 31 of each year.

E. Testing Requirements

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

Emission Limitation:

Organic compound emissions from printing operations shall not exceed 3.75 pounds per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by the following equations:

$$E = P/H$$

$$P = PPG \times U$$

where:

P = emission rate, pounds per day;

E = emission rate, pounds per hour;

PPG = pounds of organic compound per gallon used in printing press (per Record Keeping Requirements);

U = usage rate, gallons per day used in printing press (per Record Keeping Requirements); and

H = hours of operation per day (per Record Keeping Requirements).

Emission Limitation:

Organic compound emissions from clean-up operations shall not exceed 13.5 pounds per day.

Applicable Compliance Method:

Compliance shall be demonstrated by the following equation:

$$P = PPG \times U$$

where:

P = emission rate, pounds per day;

PPG = pounds of organic compound per gallon used in clean-up operations (per Record Keeping Requirements); and

U = usage rate, gallons per day used in clean-up operations (per Record Keeping Requirements).

F. Miscellaneous Requirements

1. None

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Part II - Special Terms and Conditions

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1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
Six-color flexographic printing line for polyethylene packaging material (Kidder Press)	OAC rule 3745-31-05(A)(3) (PTI 02-6165)	Organic compound emissions from printing operations shall not exceed 3.75 pounds per hour.
	OAC rule 3745-21-09(Y)	Organic compound emissions from clean-up operations shall not exceed 13.5 pounds per day. Exempt per OAC rule 3745-21-09(Y)(2)(b).
		See section A.2.a below.
2. Additional Terms and Conditions		
(a) This printing line is exempt from the requirements of OAC rule 3745-21-09(Y)(1) as long as the total maximum usage of coatings and inks in all flexographic, packaging rotogravure and publication rotogravure printing lines at this facility is less than or equal to 148 tpy.		
B. Operational Restrictions		
1. The volatile organic compound content of all inks and coatings employed shall not exceed 5.5 pounds per gallon, excluding water, as applied.		
C. Monitoring and/or Record Keeping Requirements		
1. The permittee shall maintain daily records which list the following information for each coating or ink employed in the printing press:		
a. the facility identification of each ink and thinner employed;		
b. the pounds of organic compounds per gallon of each ink and thinner employed;		
c. the number of gallons of ink and thinner employed;		
d. the hours of operation; and		
e. the hourly emissions of organic compounds (b x c/d).		
2. The permittee shall maintain daily records which list the following information for each coating or ink employed for clean-up purposes:		
a. the facility identification of each ink and thinner employed;		
b. the pounds of organic compounds per gallon of each ink and thinner employed;		
c. the number of gallons of ink and thinner employed; and		
d. the daily emissions of organic compounds (b x c).		
D. Reporting Requirements		
1. The permittee shall submit annual reports that identify any exceedances of the hourly emission limitation, as well as the corrective action that was taken to achieve compliance. This report shall be submitted by January 31 of each year.		
2. The permittee shall submit annual reports that identify any exceedances of the daily emission limitation, as well as the corrective action that was taken to achieve compliance. This report shall be submitted by January 31 of each year.		
3. The permittee shall submit annual reports that identify any exceedances of the pounds of volatile organic compound (VOC) content per gallon of ink or coating. This report shall be submitted by January 31 of each year.		
E. Testing Requirements		
1. Compliance with the emission limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:		
Emission Limitation:		
Organic compound emissions from printing operations shall not exceed 3.75 pounds per hour.		
Applicable Compliance Method:		
Compliance shall be demonstrated by the following equations:		
E = P/H		
P = PPG x U		
where:		
P = emission rate, pounds per day;		
E = emission rate, pounds per hour;		
PPG = pounds of organic compound per gallon used in printing press (per Record Keeping Requirements);		
U = usage rate, gallons per day used in printing press (per Record Keeping Requirements); and		
H = hours of operation per day (per Record Keeping Requirements).		
Emission Limitation:		
Organic compound emissions from clean-up operations shall not exceed 13.5 pounds per day.		

Applicable Compliance Method:

Compliance shall be demonstrated by the following equation:

$$P = PPG \times U$$

where:

- P = emission rate, pounds per day;
- PPG = pounds of organic compound per gallon used in clean-up operations (per Record Keeping Requirements); and
- U = usage rate, gallons per day used in clean-up operations (per Record Keeping Requirements).

F. Miscellaneous Requirements

1. None

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Part II - Special Terms and Conditions

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1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
Six-color flexographic printing line for polyethylene packaging material (Hudson Press)	OAC rule 3745-31-05(A)(3) (PTI 02-8313)	Organic compound emissions from printing operations shall not exceed 6.88 pounds per hour.
	OAC rule 3745-21-09(Y)	Organic compound emissions from clean-up operations shall not exceed 8.05 pounds per day. Exempt per OAC rule 3745-21-09(Y)(2)(b).
		See section A.2.a below.

2. **Additional Terms and Conditions**
 - (a) This printing line is exempt from the requirements of OAC rule 3745-21-09(Y)(1) as long as the total maximum usage of coatings and inks in all flexographic, packaging rotogravure and publication rotogravure printing lines at this facility is less than or equal to 148 tpy.

B. Operational Restrictions

1. The volatile organic compound content of all inks and coatings employed shall not exceed 5.5 pounds per gallon, excluding water, as applied.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records which list the following information for each coating or ink employed in the printing press:
 - a. the facility identification of each ink and thinner employed;
 - b. the pounds of organic compounds per gallon of each ink and thinner employed;
 - c. the number of gallons of ink and thinner employed;
 - d. the hours of operation; and
 - e. the hourly emissions of organic compounds (b x c/d).
2. The permittee shall maintain daily records which list the following information for each coating or ink employed for clean-up purposes:

- a. the facility identification of each ink and thinner employed;
- b. the pounds of organic compounds per gallon of each ink and thinner employed;
- c. the number of gallons of ink and thinner employed; and
- d. the daily emissions of organic compounds (b x c).

D. Reporting Requirements

- 1. The permittee shall submit annual reports that identify any exceedances of the hourly emission limitation, as well as the corrective action that was taken to achieve compliance. This report shall be submitted by January 31 of each year.
- 2. The permittee shall submit annual reports that identify any exceedances of the daily emission limitation, as well as the corrective action that was taken to achieve compliance. This report shall be submitted by January 31 of each year.
- 3. The permittee shall submit annual reports that identify any exceedances of the pounds of volatile organic compound (VOC) content per gallon of ink or coating. This report shall be submitted by January 31 of each year.

E. Testing Requirements

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

Organic compound emissions from printing operations shall not exceed 6.88 pounds per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by the following equations:

$$E = P/H$$

$$P = PPG \times U$$

where:

P = emission rate, pounds per day;

E = emission rate, pounds per hour;

PPG = pounds of organic compound per gallon used in printing press (per Record Keeping Requirements);

U = usage rate, gallons per day used in printing press (per Record Keeping Requirements); and

H = hours of operation per day (per Record Keeping Requirements).

Emission Limitation:

Organic compound emissions from clean-up operations shall not exceed 8.05 pounds per day.

Applicable Compliance Method:

Compliance shall be demonstrated by the following equation:

$$P = PPG \times U$$

where:

P = emission rate, pounds per day;

PPG = pounds of organic compound per gallon used in clean-up operations (per Record Keeping Requirements); and

U = usage rate, gallons per day used in clean-up operations (per Record Keeping Requirements).

F. Miscellaneous Requirements

- 1. None