

Facility ID: 1431070383 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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[Go to Part II for Emissions Unit R002](#)  
[Go to Part II for Emissions Unit R003](#)

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Facility ID: 1431070383 Emissions Unit ID: R001 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>
screen printing press #1	OAC rule 3745-31-05 (PTI 14-2745)	131.4 lbs/day of organic compounds (OC) from use of inks 17 lbs/day of OC from use of cleanup materials
	OAC rule 3745-21-07(G)(2)	See section A.2. below. Exempt. See section B.1. below.

**2. Additional Terms and Conditions**

- (a) VOC content of each ink and cleanup material employed in this emissions unit, as applied, shall not exceed the following:

Mylar Inks 6.64 lbs of VOC/gallon of ink  
 Plastijet Inks 5.90 lbs of VOC/gallon of ink  
 Lacquer Inks 6.54 lbs of VOC/gallon of ink  
 Misc. Inks 6.82 lbs of VOC/gallon of ink  
 Cleanup 7.90 lbs of VOC/gallon of cleanup material

Material usage in this emissions unit shall not exceed the following:

Mylar Inks 40 gallons/month, 480 gallons/yr  
 Plastijet Inks 80 gallons/month, 960 gallons/yr  
 Lacquer Inks 45 gallons/month, 540 gallons/yr  
 Misc. Inks 32 gallons/month, 384 gallons/yr  
 Cleanup 45 gallons/month, 540 gallons/yr

OC emissions from this emissions unit shall not exceed the following limitations:

Mylar Inks 0.13 ton/month, 1.59 TPY  
 Plastijet Inks 0.24 ton/month, 2.83 TPY  
 Lacquer Inks 0.15 ton/month, 1.77 TPY  
 Misc. Inks 0.11 ton/month, 1.31 TPY  
 Cleanup 0.18 ton/month, 2.13 TPY

Total combined emissions from inks and cleanup materials shall not exceed 0.81 ton/month and 9.63 TPY\*.

\* The 9.63 TPY of OC emission limitation is based on a rolling, 12-month summation. The daily emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to specify record keeping and/or reporting requirements to ensure compliance with these limits.

**B. Operational Restrictions**

1. The use of photochemically reactive material as defined in OAC rule 3745-21-01(C)(5) is prohibited.

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

1. The permittee shall collect and record the following information each month:
  - a. the company identification of each liquid organic material employed in this emissions unit; and
  - b. a record of each liquid organic material employed in this emissions unit indicating whether or not the liquid organic material is a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
2. The permittee shall collect and record the following information each month for this emissions unit:
  - 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 OC content of each ink and cleanup material, in pounds of OC per gallon;
  - d. the OC emission rate for each ink and cleanup material, in tons of OC per month (b x c)/2000 for each ink and cleanup material);
  - e. the total OC emission rate for all inks and cleanup materials, in tons of OC per month (summation of d for each ink and cleanup material); and
  - f. the total OC emission rate for all inks and cleanup materials as a rolling, 12-month summation.

[Note: The ink information must be for the inks as employed, including any thinning solvents added at this emissions unit.]

**D. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing identifying each day during which any photochemically reactive material (as defined in OAC rule 3745-21-01(C)(5)) was employed in this emissions unit. This report shall identify the cause for the use of the photochemically reactive material(s) and the estimated total quantity of material(s) emitted each such day. This report shall be submitted to the Hamilton County Department of Environmental Services within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that include the following for this emissions unit:
  - a. an identification of each month during which the monthly total OC emission rate exceeded the OC emission limitation stated above, and the actual OC emission rate for each such month;
  - b. an identification of each month during which the annual OC emissions, as a rolling, 12-month summation, exceeded the limitation stated above, and the actual OC emission rate for each such rolling, 12-month summation; and
  - c. an identification of each month during which any monthly ink usage rate (by type of ink) and/or the cleanup material usage rate exceeded the material usage limitations stated above, and the actual usage(s) for each such month.
3. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of any ink or cleanup material that exceeded the VOC content limitation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

**E. Testing Requirements**

1. Compliance with the emission limitation of 131.4 lbs of OC/day for the inks shall be determined by multiplying the maximum hourly emission rate, in lbs/hr of OC, by the maximum operating schedule, in hrs/day.  
  
Compliance with the emission limitation of 17 lbs of OC/day for the cleanup materials shall be determined by multiplying the maximum daily usage, in gallons, by the maximum OC content, in lbs of OC/gal.
2. Compliance with the monthly emission and usage limitations specified in Section A.2.a. shall be determined by the record keeping requirements specified in Section C.2.
3. USEPA Method 24A of 40 CFR, Part 60, Appendix A or formulation data shall be used to determine the OC content for the inks and cleanup materials employed in this emissions unit.
4. Compliance with the annual emission and usage limitations specified in Section A.2.a. is ensured as long as compliance with the monthly emission and usage limitations is maintained.

**F. Miscellaneous Requirements**

1. None

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Facility ID: 1431070383 Emissions Unit ID: R002 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>
screen printing press #2	OAC rule 3745-31-05 (PTI 14-2745)	131.4 lbs/day of organic compounds (OC) from use of inks 17 lbs/day of OC from use of cleanup materials
	OAC rule 3745-21-07(G)(2)	See section A.2. below. Exempt. See section B.1. below.

**2. Additional Terms and Conditions**

- (a) VOC content of each ink and cleanup material employed in this emissions unit, as applied, shall not exceed the following:

Mylar Inks 6.64 lbs of VOC/gallon of ink  
 Plastijet Inks 5.90 lbs of VOC/gallon of ink  
 Lacquer Inks 6.54 lbs of VOC/gallon of ink  
 Misc. Inks 6.82 lbs of VOC/gallon of ink  
 Cleanup 7.90 lbs of VOC/gallon of cleanup material

Material usage in this emissions unit shall not exceed the following:

Mylar Inks 40 gallons/month, 480 gallons/yr  
 Plastijet Inks 80 gallons/month, 960 gallons/yr  
 Lacquer Inks 45 gallons/month, 540 gallons/yr  
 Misc. Inks 32 gallons/month, 384 gallons/yr  
 Cleanup 45 gallons/month, 540 gallons/yr

OC emissions from this emissions unit shall not exceed the following limitations:

Mylar Inks 0.13 ton/month, 1.59 TPY  
 Plastijet Inks 0.24 ton/month, 2.83 TPY  
 Lacquer Inks 0.15 ton/month, 1.77 TPY  
 Misc. Inks 0.11 ton/month, 1.31 TPY  
 Cleanup 0.18 ton/month, 2.13 TPY

Total combined emissions from inks and cleanup materials shall not exceed 0.81 ton/month and 9.63 TPY\*.

\* The 9.63 TPY of OC emission limitation is based on a rolling, 12-month summation. The daily emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to specify record keeping and/or reporting requirements to ensure compliance with these limits.

**B. Operational Restrictions**

- 1. The use of photochemically reactive material as defined in OAC rule 3745-21-01(C)(5) is prohibited.

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

- 1. The permittee shall collect and record the following information each month:
  - a. the company identification of each liquid organic material employed in this emissions unit; and
  - b. a record of each liquid organic material employed in this emissions unit indicating whether or not the liquid organic material is a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- 2. The permittee shall collect and record the following information each month for this emissions unit:
  - 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 OC content of each ink and cleanup material, in pounds of OC per gallon;
  - d. the OC emission rate for each ink and cleanup material, in tons of OC per month (b x c)/2000 for each ink and cleanup material);
  - e. the total OC emission rate for all inks and cleanup materials, in tons of OC per month {summation of d for each ink and cleanup material}; and
  - f. the total OC emission rate for all inks and cleanup materials as a rolling, 12-month summation.

[Note: The ink information must be for the inks as employed, including any thinning solvents added at this emissions unit.]

**D. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing identifying each day during which any photochemically reactive material (as defined in OAC rule 3745-21-01(C)(5)) was employed in this emissions unit. This report shall identify the cause for the use of the photochemically reactive material(s) and the estimated total quantity of material(s) emitted each such day. This report shall be submitted to the Hamilton County Department of Environmental Services within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that include the following for this emissions unit:
  - a. an identification of each month during which the monthly total OC emission rate exceeded the OC emission limitation stated above, and the actual OC emission rate for each such month;
  - b. an identification of each month during which the annual OC emissions, as a rolling, 12-month summation, exceeded the limitation stated above, and the actual OC emission rate for each such rolling, 12-month summation; and
  - c. an identification of each month during which any monthly ink usage rate (by type of ink) and/or the cleanup material usage rate exceeded the material usage limitations stated above, and the actual usage(s) for each such month.
3. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of any ink or cleanup material that exceeded the VOC content limitation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

**E. Testing Requirements**

1. Compliance with the emission limitation of 131.4 lbs of OC/day for the inks shall be determined by multiplying the maximum hourly emission rate, in lbs/hr of OC, by the maximum operating schedule, in hrs/day.  
Compliance with the emission limitation of 17 lbs of OC/day for the cleanup materials shall be determined by multiplying the maximum daily usage, in gallons, by the maximum OC content, in lbs of OC/gal.
2. Compliance with the monthly emission and usage limitations specified in Section A.2.a. shall be determined by the record keeping requirements specified in Section C.2.
3. USEPA Method 24A of 40 CFR, Part 60, Appendix A or formulation data shall be used to determine the OC content for the inks and cleanup materials employed in this emissions unit.
4. Compliance with the annual emission and usage limitations specified in Section A.2.a. is ensured as long as compliance with the monthly emission and usage limitations is maintained.

**F. Miscellaneous Requirements**

1. None

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Facility ID: 1431070383 Emissions Unit ID: R003 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>
screen printing press #3	OAC rule 3745-31-05 (PTI 14-2745)	131.4 lbs/day of organic compounds (OC) from use of inks 17 lbs/day of OC from use of cleanup materials

OAC rule 3745-21-07(G)(2)

See section A.2. below.

Exempt. See section B.1. below.

**2. Additional Terms and Conditions**

- (a) VOC content of each ink and cleanup material employed in this emissions unit, as applied, shall not exceed the following:

Mylar Inks 6.64 lbs of VOC/gallon of ink  
 Plastijet Inks 5.90 lbs of VOC/gallon of ink  
 Lacquer Inks 6.54 lbs of VOC/gallon of ink  
 Misc. Inks 6.82 lbs of VOC/gallon of ink  
 Cleanup 7.90 lbs of VOC/gallon of cleanup material

Material usage in this emissions unit shall not exceed the following:

Mylar Inks 40 gallons/month, 480 gallons/yr  
 Plastijet Inks 80 gallons/month, 960 gallons/yr  
 Lacquer Inks 45 gallons/month, 540 gallons/yr  
 Misc. Inks 32 gallons/month, 384 gallons/yr  
 Cleanup 45 gallons/month, 540 gallons/yr

OC emissions from this emissions unit shall not exceed the following limitations:

Mylar Inks 0.13 ton/month, 1.59 TPY  
 Plastijet Inks 0.24 ton/month, 2.83 TPY  
 Lacquer Inks 0.15 ton/month, 1.77 TPY  
 Misc. Inks 0.11 ton/month, 1.31 TPY  
 Cleanup 0.18 ton/month, 2.13 TPY

Total combined emissions from inks and cleanup materials shall not exceed 0.81 ton/month and 9.63 TPY\*.

\* The 9.63 TPY of OC emission limitation is based on a rolling, 12-month summation.

The daily emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to specify record keeping and/or reporting requirements to ensure compliance with these limits.

**B. Operational Restrictions**

1. The use of photochemically reactive material as defined in OAC rule 3745-21-01(C)(5) is prohibited.

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

1. The permittee shall collect and record the following information each month:
- the company identification of each liquid organic material employed in this emissions unit; and
  - a record of each liquid organic material employed in this emissions unit indicating whether or not the liquid organic material is a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
2. The permittee shall collect and record the following information each month for this emissions unit:
- the company identification for each ink and cleanup material employed;
  - the number of gallons of each ink and cleanup material employed;
  - the OC content of each ink and cleanup material, in pounds of OC per gallon;
  - the OC emission rate for each ink and cleanup material, in tons of OC per month (b x c)/2000 for each ink and cleanup material);
  - the total OC emission rate for all inks and cleanup materials, in tons of OC per month (summation of d for each ink and cleanup material); and
  - the total OC emission rate for all inks and cleanup materials as a rolling, 12-month summation.

[Note: The ink information must be for the inks as employed, including any thinning solvents added at this emissions unit.]

**D. Reporting Requirements**

1. The permittee shall notify the Hamilton County Department of Environmental Services in writing identifying each day during which any photochemically reactive material (as defined in OAC rule 3745-21-01(C)(5)) was employed in this emissions unit. This report shall identify the cause for the use of the photochemically reactive material(s) and the estimated total quantity of material(s) emitted each such day. This report shall be submitted to the Hamilton County Department of Environmental Services within 45 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that include the following for this emissions unit:
- an identification of each month during which the monthly total OC emission rate exceeded the OC emission limitation stated above, and the actual OC emission rate for each such month;
  - an identification of each month during which the annual OC emissions, as a rolling, 12-month summation, exceeded the limitation stated above, and the actual OC emission rate for each such rolling, 12-month summation; and

c. an identification of each month during which any monthly ink usage rate (by type of ink) and/or the cleanup material usage rate exceeded the material usage limitations stated above, and the actual usage(s) for each such month.

3. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing the use of any ink or cleanup material that exceeded the VOC content limitation. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 30 days following the end of the calendar month.

**E. Testing Requirements**

1. Compliance with the emission limitation of 131.4 lbs of OC/day for the inks shall be determined by multiplying the maximum hourly emission rate, in lbs/hr of OC, by the maximum operating schedule, in hrs/day.

Compliance with the emission limitation of 17 lbs of OC/day for the cleanup materials shall be determined by multiplying the maximum daily usage, in gallons, by the maximum OC content, in lbs of OC/gal.

2. Compliance with the monthly emission and usage limitations specified in Section A.2.a. shall be determined by the record keeping requirements specified in Section C.2.

3. USEPA Method 24A of 40 CFR, Part 60, Appendix A or formulation data shall be used to determine the OC content for the inks and cleanup materials employed in this emissions unit.

4. Compliance with the annual emission and usage limitations specified in Section A.2.a. is ensured as long as compliance with the monthly emission and usage limitations is maintained.

**F. Miscellaneous Requirements**

1. None