

Facility ID: 1677110035 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.

- [Go to Part II for Emissions Unit P002](#)
- [Go to Part II for Emissions Unit R001](#)
- [Go to Part II for Emissions Unit R002](#)
- [Go to Part II for Emissions Unit R003](#)

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Facility ID: 1677110035 Emissions Unit ID: P002 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>
dip tank #1	OAC rule 3745-31-05 (PTI 16-1714)	1.48 lbs/hr of volatile organic compounds (VOC) 6.5 tpy of VOC See A.2.a through A.2.d below. See B.1 and B.2 below.
	OAC rule 3745-21-07(G)	

2. Additional Terms and Conditions

- (a) The combined annual emissions from the entire facility (R001, P002, R002, and R003) shall not exceed the following as rolling, 12-month summations:

99.5 tons of VOC;
24.0 tons of all hazardous air pollutants (HAPs); and
9.90 tons of any individual HAP.
The emissions of HAPs, as identified in section 112(b) of Title III of the Clean Air Act, from this facility shall be less than 10 tpy for any single HAP and 25 tpy for any combination of HAPs, based upon rolling, 12-month summations.
To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the emission levels specified in the following table:

Month(s) of VOC (tons) of Ind. HAP (tons) Combined HAPs (tons)	Maximum Allowable Cumulative Emissions	Maximum Allowable Cumulative Emissions	Maximum Allowable Cumulative Emissions
1	8.3	0.82	2.0
1-2	16.6	1.64	4.0
1-3	24.9	2.46	6.0
1-4	33.2	3.28	8.0
1-5	41.5	4.10	10.0
1-6	49.8	4.92	12.0
1-7	58.0	5.74	14.0
1-8	66.3	6.56	16.0
1-9	74.6	7.38	18.0
1-10	82.9	8.20	20.0
1-11	91.2	9.02	22.0
1-12	99.5	9.90	24.0

After the first 12 calendar months of operation following the issuance of this permit, compliance with the facility-wide VOC and HAP emission limitations shall be based upon rolling, 12-month summations of the applicable combined annual emissions, in tons.

B. Operational Restrictions

1. The permittee shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-07(C)(5)

in this emissions unit.

2. The permittee shall not allow any liquid organic material to come into contact with flame or be baked, heat-cured, or heat-polymerized in the presence of oxygen.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for each coating and cleanup material employed in emissions units R001, P002, R002, and R003:
 - a. the name and identification number of each coating, as applied;
 - b. the total VOC content, in pounds of VOC per gallon, of each coating and cleanup material, as applied;
 - c. the individual HAP content for each HAP of each coating, in pounds of individual HAP per gallon of coating, as applied;
 - d. the total combined HAPs content of each coating, in pounds of combined HAPs per gallon of coating, as applied (sum all the individual HAP contents from (c));
 - e. the number of gallons of each coating employed;
 - f. the name and identification of each cleanup material employed;
 - g. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
 - h. the total combined HAPs content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied (sum all the individual HAP contents from (g));
 - i. the number of gallons of each cleanup material employed;
 - j. the total individual HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month (for each HAP, the sum of (c) times (e) for all of the coatings plus the sum of (g) times (i) for all of the cleanup materials);
 - k. the total combined HAPs emissions from all coatings and cleanup materials employed, in pounds or tons per month (the sum of (d) times (e) for all of the coatings plus the sum of (h) times (i) for all of the cleanup material);
 - l. the total VOC emissions from all coatings and cleanup materials employed, in pounds or tons per month (the sum of (b) times (e) for all of the coatings plus the sum of (b) times (i) for all of the cleanup materials);
 - m. the rolling, 12-month summation of the total VOC emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (l) for the previous 12 calendar months);
 - n. the rolling, 12-month summation of individual HAP emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (j) for the previous 12 calendar months); and
 - o. the rolling, 12-month summation of the total combined HAPs emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (k) for the previous 12 calendar months).
2. The permittee shall collect and record the following information for each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the VOC content of each coating and cleanup material, in pounds per gallon;
 - d. the total VOC emission rate for all coatings and cleanup materials;
 - e. the total number of hours the emissions unit was in operation; and
 - f. the average hourly VOC emission rate for all coatings and cleanup materials, 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.]

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month facility emission limitations for VOC, individual HAP, and combined HAPs, and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative emission levels.
2. The permittee shall submit deviation (excursion) reports which include an identification of each day during which the average hourly VOC emissions exceeded 1.48 lbs/hr, and the actual average hourly VOC emissions for each such day.
3. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition 3 of this permit.
4. The permittee shall submit annual reports which specify the VOC, total HAPs, and individual HAP emissions, in tons, for P002, R001, R002, and R003.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar 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:

99.5 tpy of VOC for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the VOC contents of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly total VOC emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the VOC content of each coating and cleanup material.

Emission Limitation:

24 tpy of all HAPs for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the HAP content for each individual HAP of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly total HAPs emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the HAP content of each coating and cleanup material.

Emission Limitation:

9.90 tpy of any individual HAP for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the HAP content for each individual HAP of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly individual HAP emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the HAP content of each coating and cleanup material.

Emission Limitation:

1.48 lbs/hr of VOC

6.5 tpy of VOC

Applicable Compliance Method:

Daily records shall be maintained of the VOC content of each coating and cleanup material employed, the daily usage of each coating and cleanup material employed, and the calculated hourly VOC emission rate for all coatings and cleanup materials employed. Formulation data or USEPA Method 24 shall be used to determine the VOC content of each coating and cleanup material.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 1677110035 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>
chain-on-edge conveyor with Binks spray booth #1 and infra-red drying oven	OAC rule 3745-31-05 (PTI 16-1714)	45.2 lbs/hr of volatile organic compounds (VOC) 99.5 tpy of VOC 1.83 lbs/hr of particulates

8.02 tpy of particulates
 1% opacity as a 6-minute average
 See A.2.a through A.2.d below.
 See A.2.e below.
 See A.2.e below.
 See B.1 and B.2 below.

OAC rule 3745-17-07
 OAC rule 3745-17-11
 OAC rule 3745-21-07(G)

2. Additional Terms and Conditions

(a) The combined annual emissions from the entire facility (R001, P002, R002, and R003) shall not exceed the following as rolling, 12-month summations:

99.5 tons of VOC;
 24.0 tons of all hazardous air pollutants (HAPs); and
 9.90 tons of any individual HAP.

The emissions of HAPs, as identified in section 112(b) of Title III of the Clean Air Act, from this facility shall be less than 10 tpy for any single HAP and 25 tpy for any combination of HAPs, based upon rolling, 12-month summations.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the emission levels specified in the following table:

Month(s) of VOC (tons)	Maximum Allowable Cumulative Emissions of VOC (tons)	Maximum Allowable Cumulative Emissions of Ind. HAP (tons)	Maximum Allowable Cumulative Emissions of Combined HAPs (tons)
1	8.3	0.82	2.0
1-2	16.6	1.64	4.0
1-3	24.9	2.46	6.0
1-4	33.2	3.28	8.0
1-5	41.5	4.10	10.0
1-6	49.8	4.92	12.0
1-7	58.0	5.74	14.0
1-8	66.3	6.56	16.0
1-9	74.6	7.38	18.0
1-10	82.9	8.20	20.0
1-11	91.2	9.02	22.0
1-12	99.5	9.90	24.0

After the first 12 calendar months of operation following the issuance of this permit, compliance with the facility-wide VOC and HAP emission limitations shall be based upon rolling, 12-month summations of the applicable combined annual emissions, in tons.

The emissions limitation required by this applicable rule is less stringent than the emissions limitation established in accordance with the best available technology requirements in OAC rule 3745-31-05.

B. Operational Restrictions

1. The permittee shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-07(C)(5) in this emissions unit.
2. The permittee shall not allow any liquid organic material to come into contact with flame or be baked, heat-cured, or heat-polymerized in the presence of oxygen.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each month for each coating and cleanup material employed in emissions units R001, P002, R002, and R003:
 - a. the name and identification number of each coating, as applied;
 - b. the total VOC content, in pounds of VOC per gallon, of each coating and cleanup material, as applied;
 - c. the individual HAP content for each HAP of each coating, in pounds of individual HAP per gallon of coating, as applied;
 - d. the total combined HAPs content of each coating, in pounds of combined HAPs per gallon of coating, as applied (sum all the individual HAP contents from (c));
 - e. the number of gallons of each coating employed;
 - f. the name and identification of each cleanup material employed;
 - g. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
 - h. the total combined HAPs content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied (sum all the individual HAP contents from (g));
 - i. the number of gallons of each cleanup material employed;
 - j. the total individual HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month (for each HAP, the sum of (c) times (e) for all of the coatings plus the sum of (g) times (i) for all of the cleanup materials);
 - k. the total combined HAPs emissions from all coatings and cleanup materials employed, in pounds or tons per

month (the sum of (d) times (e) for all of the coatings plus the sum of (h) times (i) for all of the cleanup material);

l. the total VOC emissions from all coatings and cleanup materials employed, in pounds or tons per month (the sum of (b) times (e) for all of the coatings plus the sum of (b) times (i) for all of the cleanup materials);

m. the rolling, 12-month summation of the total VOC emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (l) for the previous 12 calendar months);

n. the rolling, 12-month summation of individual HAP emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (j) for the previous 12 calendar months); and

o. the rolling, 12-month summation of the total combined HAPs emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (k) for the previous 12 calendar months).

2. The permittee shall collect and record the following information for each day for the coating operation:

a. the company identification for each coating and cleanup material employed;

b. the number of gallons of each coating and cleanup material employed;

c. the VOC content of each coating and cleanup material, in pounds per gallon;

d. the total VOC emission rate for all coatings and cleanup materials;

e. the total number of hours the emissions unit was in operation; and

f. the average hourly VOC emission rate for all coatings and cleanup materials, 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.]

3. The permittee shall collect and record the following information for each change where the air toxic modeling was required pursuant to the Air Toxic Policy:

a. background data that describes the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.); and

b. a copy of the resulting computer model runs that show the results of the application of the Air Toxic Policy for the change.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month facility emission limitations for VOC, individual HAP, and combined HAPs, and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative emission levels.

2. The permittee shall submit deviation (excursion) reports which include an identification of each day during which the average hourly VOC emissions exceeded 45.2 lbs/hr, and the actual average hourly VOC emissions for each such day.

3. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition 3 of this permit.

4. The permittee shall submit annual reports which specify the VOC, total HAPs, and individual HAP emissions, in tons, for P002, R001, R002, and R003.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar 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:

99.5 tpy of VOC for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the VOC contents of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly total VOC emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the VOC content of each coating and cleanup material.

Emission Limitation:

24 tpy of all HAPs for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the HAP content for each individual HAP of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly total HAPs emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the HAP content of each coating and cleanup material.

Emission Limitation:

9.90 tpy of any individual HAP for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the HAP content for each individual HAP of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly individual HAP emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the HAP content of each coating and cleanup material.

Emission Limitation:

45.2 lbs/hr of VOC
99.5 tpy of VOC

Applicable Compliance Method:

Daily records shall be maintained of the VOC content of each coating and cleanup material employed, the daily usage of each coating and cleanup material employed, and the calculated hourly VOC emission rate for all coatings and cleanup materials employed. Formulation data or USEPA Method 24 shall be used to determine the VOC content of each coating and cleanup material.

Emission Limitation:

1.83 lbs/hr of particulates
8.02 tpy of particulates

Applicable Compliance Method:

If required, compliance shall be demonstrated by emission testing using US EPA Method 5 (40 CFR Part 60, Appendix A).

Emission Limitation:

1% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

- This permit allows the use of materials (typically coatings and cleanup materials) specified by the permittee in the permit to install application for this emissions unit. To fulfill the best available technology requirements of (OAC) rule 3745-31-05 and to ensure compliance with OAC rule 3745-15-07 (Air Pollution Nuisances Prohibited), the emission limitation(s) specified in this permit was (were) established using the Ohio EPA's "Air Toxic Policy" and is (are) based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model and comparing the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for each pollutant:

Pollutant: isobutyl acetate

TLV (mg/m3): 713
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 16,976

Pollutant: xylene

TLV (mg/m3): 434
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 10,333
Pollutant: methyl n-amyl ketone

TLV (mg/m3): 233
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 5,547

Pollutant: isopropyl acetate

TLV (mg/m3): 1,040
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 24,761

Pollutant: ethanol

TLV (mg/m3): 1,880
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 44,761

Pollutant: isopropyl alcohol

TLV (mg/m3): 983
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 23,404

Pollutant: butyl acetate

TLV (mg/m3): 713
 Maximum Hourly Emission Rate (lbs/hr): 22.5
 Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
 MAGLC (ug/m3): 16,976

2. 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 the OAC rule 3745-31-01. The permittee is hereby advised that the following changes to the process may be determined to be a "modification":
 - a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value specified in the above table;
 - b. changes to the emissions unit or its exhaust parameters (e.g., increased emission rate [not including an increase in an "allowable" emission limitation specified in the terms and conditions of this permit], reduced exhaust gas flow rate, and decreased stack height);
 - c. changes in the composition of the materials used, or use of new materials, that would result in the emission of an air contaminant not previously permitted; and
 - d. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant that has a listed TLV.
3. The Ohio EPA will not consider any of the above-mentioned as a "modification" requiring a permit to install, if the following conditions are met:
 - a. the change is not otherwise considered a "modification" under OAC Chapter 3745-31;
 - b. the permittee can continue to comply with the allowable emission limitations specified in its permit to install; and
 - c. prior to the change, the applicant conducts an evaluation pursuant to the Air Toxic Policy, determines that the changed emissions unit still satisfies the Air Toxic Policy, and the permittee maintains documentation that identifies the change and the results of the application of the Air Toxic Policy for the change.

For any change to the emissions unit or its method of operation that either would require an increase in the emission limitation(s) established by this permit or would otherwise be considered a "modification" as defined in OAC rule 3745-31-01, the permittee shall obtain a final permit to install prior to the change.

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Facility ID: 1677110035 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>
Binks walk-in spray booth	OAC rule 3745-31-05 (PTI 16-1714)	45.2 lbs/hr of volatile organic compounds (VOC) 99.5 tpy of VOC 1.83 lbs/hr of particulates 8.02 tpy of particulates 1% opacity as a 6-minute average See A.2.a through A.2.d below.

- OAC rule 3745-17-07 See A.2.e below.
- OAC rule 3745-17-11 See A.2.e below.
- OAC rule 3745-21-07(G) See B.1 and B.2 below.

2. Additional Terms and Conditions

- (a) The combined annual emissions from the entire facility (R001, P002, R002, and R003) shall not exceed the following as rolling, 12-month summations:

99.5 tons of VOC;
 24.0 tons of all hazardous air pollutants (HAPs); and
 9.90 tons of any individual HAP.
 The emissions of HAPs, as identified in section 112(b) of Title III of the Clean Air Act, from this facility shall be less than 10 tpy for any single HAP and 25 tpy for any combination of HAPs, based upon rolling, 12-month summations.
 To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the emission levels specified in the following table:

Month(s) of VOC (tons)	Ind. HAP (tons)	Combined HAPs (tons)	Maximum Allowable Cumulative Emissions	Maximum Allowable Cumulative Emissions	Maximum Allowable Cumulative Emissions
1-3	0.82	2.0			
1-2	16.6	1.64	4.0		
1-3	24.9	2.46	6.0		
1-4	33.2	3.28	8.0		
1-5	41.5	4.10	10.0		
1-6	49.8	4.92	12.0		
1-7	58.0	5.74	14.0		
1-8	66.3	6.56	16.0		
1-9	74.6	7.38	18.0		
1-10	82.9	8.20	20.0		
1-11	91.2	9.02	22.0		
1-12	99.5	9.90	24.0		

After the first 12 calendar months of operation following the issuance of this permit, compliance with the facility-wide VOC and HAP emission limitations shall be based upon rolling, 12-month summations of the applicable combined annual emissions, in tons.
 The emissions limitation required by this applicable rule is less stringent than the emissions limitation established in accordance with the best available technology requirements in OAC rule 3745-31-05.

B. Operational Restrictions

- 1. The permittee shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-07(C)(5) in this emissions unit.
- 2. The permittee shall not allow any liquid organic material to come into contact with flame or be baked, heat-cured, or heat-polymerized in the presence of oxygen.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall collect and record the following information each month for each coating and cleanup material employed in emissions units R001, P002, R002, and R003:
 - a. the name and identification number of each coating, as applied;
 - b. the total VOC content, in pounds of VOC per gallon, of each coating and cleanup material, as applied;
 - c. the individual HAP content for each HAP of each coating, in pounds of individual HAP per gallon of coating, as applied;
 - d. the total combined HAPs content of each coating, in pounds of combined HAPs per gallon of coating, as applied (sum all the individual HAP contents from (c));
 - e. the number of gallons of each coating employed;
 - f. the name and identification of each cleanup material employed;
 - g. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
 - h. the total combined HAPs content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied (sum all the individual HAP contents from (g));
 - i. the number of gallons of each cleanup material employed;
 - j. the total individual HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month (for each HAP, the sum of (c) times (e) for all of the coatings plus the sum of (g) times (i) for all of the cleanup materials);
 - k. the total combined HAPs emissions from all coatings and cleanup materials employed, in pounds or tons per month (the sum of (d) times (e) for all of the coatings plus the sum of (h) times (i) for all of the cleanup material);
 - l. the total VOC emissions from all coatings and cleanup materials employed, in pounds or tons per month (the sum of (b) times (e) for all of the coatings plus the sum of (b) times (i) for all of the cleanup materials);

- m. the rolling, 12-month summation of the total VOC emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (l) for the previous 12 calendar months);
 - n. the rolling, 12-month summation of individual HAP emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (j) for the previous 12 calendar months); and
 - o. the rolling, 12-month summation of the total combined HAPs emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (k) for the previous 12 calendar months).
- 2. The permittee shall collect and record the following information for each day for the coating operation:
 - a. the company identification for each coating and cleanup material employed;
 - b. the number of gallons of each coating and cleanup material employed;
 - c. the VOC content of each coating and cleanup material, in pounds per gallon;
 - d. the total VOC emission rate for all coatings and cleanup materials;
 - e. the total number of hours the emissions unit was in operation; and
 - f. the average hourly VOC emission rate for all coatings and cleanup materials, 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.]
- 3. The permittee shall collect and record the following information for each change where the air toxic modeling was required pursuant to the Air Toxic Policy:
 - a. background data that describes the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.); and
 - b. a copy of the resulting computer model runs that show the results of the application of the Air Toxic Policy for the change.

D. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month facility emission limitations for VOC, individual HAP, and combined HAPs, and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative emission levels.
- 2. The permittee shall submit deviation (excursion) reports which include an identification of each day during which the average hourly VOC emissions exceeded 45.2 lbs/hr, and the actual average hourly VOC emissions for each such day.
- 3. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition 3 of this permit.
- 4. The permittee shall submit annual reports which specify the VOC, total HAPs, and individual HAP emissions, in tons, for P002, R001, R002, and R003.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar 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:

99.5 tpy of VOC for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the VOC contents of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly total VOC emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the VOC content of each coating and cleanup material.
Emission Limitation:

24 tpy of all HAPs for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the HAP content for each individual HAP of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly total HAPs emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the HAP content of each coating and cleanup material.
Emission Limitation:

9.90 tpy of any individual HAP for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the HAP content for each individual HAP of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly individual HAP emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the HAP content of each coating and

cleanup material.

Emission Limitation:

45.2 lbs/hr of VOC
99.5 tpy of VOC

Applicable Compliance Method:

Daily records shall be maintained of the VOC content of each coating and cleanup material employed, the daily usage of each coating and cleanup material employed, and the calculated hourly VOC emission rate for all coatings and cleanup materials employed. Formulation data or USEPA Method 24 shall be used to determine the VOC content of each coating and cleanup material.

Emission Limitation:

1.83 lbs/hr of particulates
8.02 tpy of particulates

Applicable Compliance Method:

If required, compliance shall be demonstrated by emission testing using US EPA Method 5 (40 CFR Part 60, Appendix A).

Emission Limitation:

1% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

- This permit allows the use of materials (typically coatings and cleanup materials) specified by the permittee in the permit to install application for this emissions unit. To fulfill the best available technology requirements of (OAC) rule 3745-31-05 and to ensure compliance with OAC rule 3745-15-07 (Air Pollution Nuisances Prohibited), the emission limitation(s) specified in this permit was (were) established using the Ohio EPA's "Air Toxic Policy" and is (are) based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model and comparing the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for each pollutant:

Pollutant: isobutyl acetate

TLV (mg/m3): 713
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 16,976

Pollutant: xylene

TLV (mg/m3): 434
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 10,333
Pollutant: methyl n-amyl ketone

TLV (mg/m3): 233
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 5,547

Pollutant: isopropyl acetate

TLV (mg/m3): 1,040
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 24,761

Pollutant: ethanol

TLV (mg/m3): 1,880
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 44,761

Pollutant: isopropyl alcohol

TLV (mg/m3): 983
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 23,404

Pollutant: butyl acetate

TLV (mg/m3): 713
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155

MAGLC (ug/m3): 16,976

2. 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 the OAC rule 3745-31-01. The permittee is hereby advised that the following changes to the process may be determined to be a "modification":
 - a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value specified in the above table;
 - b. changes to the emissions unit or its exhaust parameters (e.g., increased emission rate [not including an increase in an "allowable" emission limitation specified in the terms and conditions of this permit], reduced exhaust gas flow rate, and decreased stack height);
 - c. changes in the composition of the materials used, or use of new materials, that would result in the emission of an air contaminant not previously permitted; and
 - d. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant that has a listed TLV.
3. The Ohio EPA will not consider any of the above-mentioned as a "modification" requiring a permit to install, if the following conditions are met:
 - a. the change is not otherwise considered a "modification" under OAC Chapter 3745-31;
 - b. the permittee can continue to comply with the allowable emission limitations specified in its permit to install; and
 - c. prior to the change, the applicant conducts an evaluation pursuant to the Air Toxic Policy, determines that the changed emissions unit still satisfies the Air Toxic Policy, and the permittee maintains documentation that identifies the change and the results of the application of the Air Toxic Policy for the change.

For any change to the emissions unit or its method of operation that either would require an increase in the emission limitation(s) established by this permit or would otherwise be considered a "modification" as defined in OAC rule 3745-31-01, the permittee shall obtain a final permit to install prior to the change.

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1677110035 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>
Chain-on-edge conveyor with Binks spray booth #2 and infra-red drying oven	OAC rule 3745-31-05 (PTI 16-1714)	45.2 lbs/hr of volatile organic compounds (VOC) 99.5 tpy of VOC
		1.83 lbs/hr of particulates 8.02 tpy of particulates
		1% opacity as a 6-minute average
		See A.2.a through A.2.d below.
		See A.2.e below.
	OAC rule 3745-17-07	See A.2.e below.

OAC rule 3745-17-11

See B.1 and B.2 below.

OAC rule 3745-21-07(G)

2. Additional Terms and Conditions

- (a) The combined annual emissions from the entire facility (R001, P002, R002, and R003) shall not exceed the following as rolling, 12-month summations:

99.5 tons of VOC;
 24.0 tons of all hazardous air pollutants (HAPs); and
 9.90 tons of any individual HAP.

The emissions of HAPs, as identified in section 112(b) of Title III of the Clean Air Act, from this facility shall be less than 10 tpy for any single HAP and 25 tpy for any combination of HAPs, based upon rolling, 12-month summations.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the emission levels specified in the following table:

Month(s) of VOC (tons) of Ind. HAP (tons) Combined HAPs (tons)	Maximum Allowable	Maximum Allowable	Maximum Allowable
1	8.3	0.82	2.0
1-2	16.6	1.64	4.0
1-3	24.9	2.46	6.0
1-4	33.2	3.28	8.0
1-5	41.5	4.10	10.0
1-6	49.8	4.92	12.0
1-7	58.0	5.74	14.0
1-8	66.3	6.56	16.0
1-9	74.6	7.38	18.0
1-10	82.9	8.20	20.0
1-11	91.2	9.02	22.0
1-12	99.5	9.90	24.0

After the first 12 calendar months of operation following the issuance of this permit, compliance with the facility-wide VOC and HAP emission limitations shall be based upon rolling, 12-month summations of the applicable combined annual emissions, in tons.

The emissions limitation required by this applicable rule is less stringent than the emissions limitation established in accordance with the best available technology requirements in OAC rule 3745-31-05.

B. Operational Restrictions

- 1. The permittee shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-07(C)(5) in this emissions unit.
- 2. The permittee shall not allow any liquid organic material to come into contact with flame or be baked, heat-cured, or heat-polymerized in the presence of oxygen.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall collect and record the following information each month for each coating and cleanup material employed in emissions units R001, P002, R002, and R003:
 - a. the name and identification number of each coating, as applied;
 - b. the total VOC content, in pounds of VOC per gallon, of each coating and cleanup material, as applied;
 - c. the individual HAP content for each HAP of each coating, in pounds of individual HAP per gallon of coating, as applied;
 - d. the total combined HAPs content of each coating, in pounds of combined HAPs per gallon of coating, as applied (sum all the individual HAP contents from (c));
 - e. the number of gallons of each coating employed;
 - f. the name and identification of each cleanup material employed;
 - g. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
 - h. the total combined HAPs content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied (sum all the individual HAP contents from (g));
 - i. the number of gallons of each cleanup material employed;
 - j. the total individual HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month (for each HAP, the sum of (c) times (e) for all of the coatings plus the sum of (g) times (i) for all of the cleanup materials);
 - k. the total combined HAPs emissions from all coatings and cleanup materials employed, in pounds or tons per month (the sum of (d) times (e) for all of the coatings plus the sum of (h) times (i) for all of the cleanup material);
 - l. the total VOC emissions from all coatings and cleanup materials employed, in pounds or tons per month (the sum of (b) times (e) for all of the coatings plus the sum of (b) times (i) for all of the cleanup materials);
 - m. the rolling, 12-month summation of the total VOC emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (l) for the previous 12 calendar months);
 - n. the rolling, 12-month summation of individual HAP emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (j) for the previous 12 calendar months); and

- o. the rolling, 12-month summation of the total combined HAPs emissions from all coatings and cleanup materials employed, in pounds or tons per year (the sum of (k) for the previous 12 calendar months).
2. The permittee shall collect and record the following information for each day for the coating operation:
- the company identification for each coating and cleanup material employed;
 - the number of gallons of each coating and cleanup material employed;
 - the VOC content of each coating and cleanup material, in pounds per gallon;
 - the total VOC emission rate for all coatings and cleanup materials;
 - the total number of hours the emissions unit was in operation; and
 - the average hourly VOC emission rate for all coatings and cleanup materials, 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.]
3. The permittee shall collect and record the following information for each change where the air toxic modeling was required pursuant to the Air Toxic Policy:
- background data that describes the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.); and
 - a copy of the resulting computer model runs that show the results of the application of the Air Toxic Policy for the change.

D. Reporting Requirements

- The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month facility emission limitations for VOC, individual HAP, and combined HAPs, and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative emission levels.
- The permittee shall submit deviation (excursion) reports which include an identification of each day during which the average hourly VOC emissions exceeded 45.2 lbs/hr, and the actual average hourly VOC emissions for each such day.
- The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition 3 of this permit.
- The permittee shall submit annual reports which specify the VOC, total HAPs, and individual HAP emissions, in tons, for P002, R001, R002, and R003.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

- 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:

99.5 tpy of VOC for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the VOC contents of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly total VOC emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the VOC content of each coating and cleanup material.
Emission Limitation:

24 tpy of all HAPs for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the HAP content for each individual HAP of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly total HAPs emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the HAP content of each coating and cleanup material.
Emission Limitation:

9.90 tpy of any individual HAP for the entire facility

Applicable Compliance Method:

Monthly records shall be maintained of the HAP content for each individual HAP of all coatings and cleanup materials employed, the monthly usage of all coatings and cleanup materials employed, and the calculated monthly individual HAP emission rate for all coatings and cleanup materials employed in this facility. Formulation data or USEPA Method 24 shall be used to determine the HAP content of each coating and cleanup material.
Emission Limitation:

45.2 lbs/hr of VOC
99.5 tpy of VOC

Applicable Compliance Method:

Daily records shall be maintained of the VOC content of each coating and cleanup material employed, the daily usage of each coating and cleanup material employed, and the calculated hourly VOC emission rate for all coatings and cleanup materials employed. Formulation data or USEPA Method 24 shall be used to determine the VOC content of each coating and cleanup material.

Emission Limitation:

1.83 lbs/hr of particulates
8.02 tpy of particulates

Applicable Compliance Method:

If required, compliance shall be demonstrated by emission testing using US EPA Method 5 (40 CFR Part 60, Appendix A).

Emission Limitation:

1% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

F. **Miscellaneous Requirements**

- This permit allows the use of materials (typically coatings and cleanup materials) specified by the permittee in the permit to install application for this emissions unit. To fulfill the best available technology requirements of (OAC) rule 3745-31-05 and to ensure compliance with OAC rule 3745-15-07 (Air Pollution Nuisances Prohibited), the emission limitation(s) specified in this permit was (were) established using the Ohio EPA's "Air Toxic Policy" and is (are) based on both the materials used and the design parameters of the emissions unit's exhaust system, as specified in the application. The Ohio EPA's "Air Toxic Policy" was applied for each pollutant using the SCREEN 3.0 model and comparing the predicted 1-hour maximum ground-level concentration to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for each pollutant:

Pollutant: isobutyl acetate

TLV (mg/m3): 713
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 16,976

Pollutant: xylene

TLV (mg/m3): 434
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 10,333
Pollutant: methyl n-amyl ketone

TLV (mg/m3): 233
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 5,547

Pollutant: isopropyl acetate

TLV (mg/m3): 1,040
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 24,761

Pollutant: ethanol

TLV (mg/m3): 1,880
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 44,761

Pollutant: isopropyl alcohol

TLV (mg/m3): 983
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 23,404

Pollutant: butyl acetate

TLV (mg/m3): 713
Maximum Hourly Emission Rate (lbs/hr): 22.5
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5,155
MAGLC (ug/m3): 16,976

- 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 the OAC rule 3745-31-01. The permittee is hereby advised that the following changes to the process may be determined to be a "modification":

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value specified in the above table;
 - b. changes to the emissions unit or its exhaust parameters (e.g., increased emission rate [not including an increase in an "allowable" emission limitation specified in the terms and conditions of this permit], reduced exhaust gas flow rate, and decreased stack height);
 - c. changes in the composition of the materials used, or use of new materials, that would result in the emission of an air contaminant not previously permitted; and
 - d. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant that has a listed TLV.
3. The Ohio EPA will not consider any of the above-mentioned as a "modification" requiring a permit to install, if the following conditions are met:
- a. the change is not otherwise considered a "modification" under OAC Chapter 3745-31;
 - b. the permittee can continue to comply with the allowable emission limitations specified in its permit to install; and
 - c. prior to the change, the applicant conducts an evaluation pursuant to the Air Toxic Policy, determines that the changed emissions unit still satisfies the Air Toxic Policy, and the permittee maintains documentation that identifies the change and the results of the application of the Air Toxic Policy for the change.

For any change to the emissions unit or its method of operation that either would require an increase in the emission limitation(s) established by this permit or would otherwise be considered a "modification" as defined in OAC rule 3745-31-01, the permittee shall obtain a final permit to install prior to the change.