Facility ID: 1409010844 Issuance type: Final State Permit To Operate

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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.

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

Facility ID: 1409010844 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
10 HP Coating Disperser	PTI 14-3942	4.03 lb PM/hr, 20.16 lb PM/day, 1.5 TPY PM; 3.43 lb PM10/hr, 1.3 TPY PM10; 8 lb OC/hr, 40 lb OC/day, 3.8 TPY OC. See T&C A.2.
-	OAC 3745-17-07(A)	Same as PTI.
-	OAC 3745-17-11(A)	Less stringent than PTI.
-	OAC 3745-21-07(G)(2)	Same as PTI.

2. **Additional Terms and Conditions**

   (a) Except as otherwise specified in paragraphs (A)(1)(b), (A)(2) and (A)(3) of OAC rule 3745-17-07, visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six-minute average.
   The potential emissions [as defined by OAC 3745-77-01(BB)] of Hazardous Air Pollutants (HAPs) as identified in Section 112(b) of Title III of the Clean Air Act for this facility shall not exceed 10 TPY for any single HAP and 25 TPY for any combination of HAPs.
   The organic compound (OC) content of the cleanup material used in this emissions unit shall not exceed 7.25 pounds per gallon, as applied.
   The emissions unit shall be equipped with tight fitting cover at all times except during loading and unloading.

B. **Operational Restrictions**

1. The amount of organic solvent used in this emissions unit shall not exceed 1067 pounds per hour, 3400 pounds per day, and 200 tons per year.

2. The amount of pigment used in this emissions unit shall not exceed 806 pounds per hour, 4031 pounds per day, and 300 tons per year.

3. The amount of cleanup material lost while cleaning this emissions unit (equal to the amount of solvent used for cleanup minus the amount of solvent collected to be used again) shall not exceed 2 gallons per day and 625 gallons per year.

4. The total combined amount of chrome oxide used in emissions units P001, P002 and P003 shall not exceed 12.7 pounds per hour.

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 at the facility:

   a. the name and identification number of each coating, as applied;
   b. the individual Hazardous Air Pollutant (HAP) content for each HAP of each coating, in pounds of individual HAP per gallon of coating, as applied;
   c. the total combined HAP content of each coating, in pounds of combined HAPs per gallon of coating, as applied (sum all the individual HAP contents from (b));

d. the number of gallons of each coating employed;
e. the name and identification of each cleanup material employed;
f. the individual HAP content for each HAP of each cleanup material, in pounds of individual HAP per gallon of cleanup material, as applied;
g. the total combined HAP content of each cleanup material, in pounds of combined HAPs per gallon of cleanup material, as applied (sum all the individual HAP contents from (f));
h. the number of gallons of each cleanup material employed.
i. the total individual HAP emissions for each HAP from all coatings and cleanup materials employed, in pounds or tons per month (for each HAP the sum of (b) times (d) for each coating plus the sum of (f) times (h) for each cleanup material); and
j. the total combined HAP emissions from all coatings and cleanup materials employed, in pounds or tons per month (the sum of (c) times (d) for each coating plus the sum of (g) times (h) for each cleanup material).

2. This facility shall maintain daily records which list the following information:

a. the total amount of product produced, in tons;
b. the total amount of organic solvent employed, in pounds;
c. the total amount of pigments employed, in pounds;
d. the amount of chrome oxide employed, in pounds;
e. the total hours of operation;
f. the amount of cleanup material lost while cleaning emissions units P001, P002 and P003 (equal to the amount of solvent employed for cleanup minus the amount of solvent collected for reuse multiplied by the solvent OC content);
g. the amount of product produced (a)/(e), in tons per hour (average);
h. the total usage of organic solvent (b)/(e); pigment (c)/(e); and chrome oxide (d)/(e), in pounds per hour (average); and
i. the total chrome oxide usage in emission units P001, P002, and P003, in lbs/hr.

D. **Reporting Requirements**

1. The permittee shall notify the Director of any daily record showing an exceedance of the hourly or daily usage limits specified in section B of these T&Cs. A copy of such record shall be sent to the Director within 45 days after the exceedance occurs.

2. The permittee shall submit an annual report which summarizes the amount of organic solvent and pigment used, in tons per year, and the amount of cleanup material lost, in gallons per year. The annual report shall be submitted by February 15th of each year and shall be for the previous calendar year.

E. **Testing Requirements**

1. Compliance with the PM and PM10 emission limits in Section A.1. of these terms and conditions shall be demonstrated by the following:

Multiply the tons of product per hour by the emission factor of 20 lbs PM per ton of product (from AP-42, table 5.10-1) and by (1-.50) (the control efficiency for the tight fitting cover) = lbs PM/hr

Multiply the lbs PM/hr by 0.85 (the PM10 fraction) = lbs PM10/hr

Multiply the tons of product per day by the emission factor of 20 lbs PM per ton of product (from AP-42, table 5.10-1) and by (1-.50) (the control efficiency for the tight fitting cover) = lbs PM/day

Multiply the lbs PM/day by 0.85 (the PM10 fraction) = lbs PM10/day

2. Compliance with the OC emission limits in Section A.1. of these terms and conditions shall be demonstrated by the following:

Multiply the tons of product per hour by the emission factor of 30 lbs OC per ton of product (from AP-42, table 5.10-1) and by (1-.50) (the control efficiency for the tight fitting cover) = lbs OC/hr

Multiply the tons of product per day by the emission factor of 30 lbs OC per ton of product (from AP-42, table 5.10-1) and by (1-.50) (the control efficiency for the tight fitting cover) = lbs OC/day

3. Compliance with OAC 3745-17-07(A) shall be demonstrated by methods outlined in OAC 3745-17-03(B)(1).

4. Compliance with the HAP emission limits shall be demonstrated by the recordkeeping requirements in section C.1. of these T&Cs.

5. Compliance with the cleanup material OC content shall be demonstrated by formulation data or USEPA Method 24.

6. Compliance with the solvent, pigment, cleanup material, and chrome oxide usage limits in section B of these T&Cs shall be demonstrated by the recordkeeping requirements of section C.2. of these T&Cs.

F. **Miscellaneous Requirements**

None