

Facility ID: 0511010014 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.

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

Facility ID: 0511010014 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>
Powder Mixer, Ball Mills, transport trough, vacuum Dryer, Screeners, ISO-Static Press, Fitzmill and powder Granulators (P002)	OAC rule 3745-31-05(A)(3), and the special terms and conditions as outlined in PTI 05-6875	The particulate emissions from this process shall not exceed 0.764 lb /hr and 0.139 tons /yr. The daily volatile organic compound (VOC) emissions, when cleaning metal parts, shall not exceed 31 pounds per day and 5.658 tons per year.
	OAC rule 3745-21-07(G)(2)	The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3). See Section B.2
	OAC rule 3745-17-11 OAC rule 3745-17-07(A)	see section A.2.a Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

2. **Additional Terms and Conditions**
 - (a) The uncontrolled mass rate of particulate emissions (PE) from all the direct-fired fuel burning equipment associated with this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply.

B. Operational Restrictions

1. The daily material usage shall not exceed 3,450 pounds in the mixer and 2,450 pounds in the granule size screening.
2. The use of photochemically reactive material, as defined in OAC rule 3745-21-01 (C)(5), employed as a liquid organic material for this source is strictly prohibited.

If this facility employs a liquid organic material (s) that are photochemically reactive material, as defined in OAC rule 3745-21-01 (C)(5), then this facility shall submit a new Permit to Install (PTI) application to the Southwest District Office, of the Ohio EPA, for approval.

3. This emissions unit shall be equipped with fabric filters and a distillation unit that will minimize the release of air contaminants.

C. Monitoring and/or Record Keeping Requirements

1. This facility shall maintain daily records which list the following information for each material employed in this source:
 - a. The company identification of the material;
 - b. the total amount of powder employed in the mixer, in pounds;
 - c. The total amount of material processed through the granule size screening;
 - d. The total amount of VOC containing material employed, in pounds, including cleanup materials;
 - e. The amount of VOC containing materials recovered in the distillation unit; and
 - f. The amount of VOC lost in lbs/day(d-e).

These records, as well as any supporting information, shall be retained in the company's files for a period of at least five years and shall be made available to the Director, or any authorized representative of the Director, for

review during normal business hours.

2. The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. whether or not the material contains photochemically reactive material as defined in OAC rule 3745-21-01(C) (5).

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. an identification of each daily VOC emissions, when this emissions unit is coating miscellaneous metal parts, exceeded 31 lbs;
 - b. an identification of each day the material usage in the mixer exceed 3,450 pounds; and
 - c. an identification of each day the material usage in the granule size screening exceed 2,450 pounds.
2. The permittee shall notify the Director, in writing, of any monthly record showing the use of noncompliant materials, i.e., photochemically reactive materials. The notification shall include a copy of such record and shall be sent to Ohio EPA, Southwest District Office within 30 days following the end of the calendar month during which the noncompliance occurred.
3. The deviation (excursion) reports shall be submitted as quarterly reports specified in Part I, General Term and Condition A.2 of this permit.

E. Testing Requirements

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

31.00 pounds of VOC per day.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above limit based upon the record keeping requirement of Sections C.1.d of these T&C's

Formulation data or USEPA Method 24 (for coating) shall be used to determine the volatile organic compound contents of the coating and cleanup materials.

Emission Limitation:

The particulate emissions (PE) shall not exceed 0.764 pounds per day nor 0.139 tons per year.

Applicable Compliance Method:

The hourly allowable emission limitation was established as follows:

$$HER = MPE \times CCE \times BCE$$

Where:

HER = Hourly Emission Rate, in lbs/hr;

MPE = Maximum uncontrolled particulate emissions, in lbs/hr (0.764 lbs/hr, Facility's best estimate);

CCE = Cyclone Control Efficiency (98% per manufacturer); and

BCE = Baghouse Control Efficiency (99.8% per manufacturer)

As long as compliance with the hourly emission limitation is maintained, compliance with the annual emission limitation shall be assumed (the annual emission limitation was determined by multiplying the hourly emission limitation by 8760 hours/year, and then dividing by 2000 lbs/ton)

Emission Limitation:

Visible PE shall not exceed 20% opacity, as a 6-minute average, from any stack.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

1. None