

Facility ID: 1483040399 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: 1483040399 Emissions Unit ID: P901 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

**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>
reclaimed sand handling, reclaimer, and resin mld casting shakeout	OAC rule 3745-31-05(A)(3) (PTI 14-04394)	1.63 lbs/hr PM, 7.14 TPY PM 1.47 lbs/hr PM10, 6.43 TPY PM10
	OAC rule 3745-17-07(A)(1)	See A.2. Visible particulate emissions from any stack associated with this emissions unit shall not exceed 20 percent opacity, as a three minute average, except as specified by rule.
	OAC rule 3745-17-07(B)(1)	Visible fugitive particulate emissions shall not exceed 20 percent opacity, as a three-minute average, except as specified by rule.

**2. Additional Terms and Conditions**

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by enclosure and venting the reclaimer and the inside tanks to a fabric filter and partial enclosure and minimize fugitive emissions from the outside sand hoppers.  
The hourly emission limitation outlined in section A.1. is based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with this limit.

**B. Operational Restrictions**

1. None

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

1. None

**D. Reporting Requirements**

1. None

**E. Testing Requirements**

1. Compliance with the visible particulate and fugitive visible particulate emissions limits in section A.1. shall be demonstrated by the methods outlined in 40 CFR 60, Appendix A, Method 9.

**2. Emissions Limit**

1.63 lbs/hr PM

Compliance with the lbs/hr PM emissions limit in section A.1. for P901 shall be demonstrated by the following equations using ? the emission factor from chapter 2.8 of RACM (emission factor based on American Foundrymen's Society for sand handling):

- a. sand handling actual sand usage (tons/hr) X RACM emission factor (0.03 lb PM/ton) = lbs/hr PM;
- b. reclaimer actual production (tons metal/hr) X RACM emission factor (0.65 lb PM/ton) = lbs/hr PM; and
- c. shakeout-resin mold castings actual production (tons metal/hr) X RACM emission factor (0.60 lb PM/ton) = lbs/hr PM

**3. Emissions Limit**

## 7.14 TPY PM

Compliance with the TPY PM emissions limit in section A.1. for P901 shall be demonstrated by the following equations using the emission factor from chapter 2.8 of RACM (emission factor based on American Foundrymen's Society for sand handling):

- a. sand handling actual sand usage (tons/yr) X RACM emission factor (0.03 lb PM/ton) X ton/2000 lbs = TPY PM;
- b. reclaimer actual production (tons metal/yr) X RACM emission factor (0.65 lb PM/ton) X ton/2000 lbs = TPY PM; and
- c. shakeout-resin mold castings actual production (tons metal/yr) X RACM emission factor (0.60 lb PM/ton) X ton/2000 lbs = TPY PM

## 4. Emissions Limits

1.47 lbs/hr PM10  
6.43 TPY PM10

Compliance with the lbs/hr and TPY PM10 emissions limits in section A.1. for P901 shall be demonstrated by taking 90% of the PM emission summations to calculate the PM10 emissions based on an estimate from AP-42, Appendix B.1., Steel Foundries.

F. **Miscellaneous Requirements**

1. None