



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
WASHINGTON COUNTY**

CERTIFIED MAIL

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 06-07652

Fac ID: 0684000105

DATE: 1/18/2005

Globe Metallurgical Inc
Robert Rothwell
P O Box 157 Co Rd 32
Beverly, OH 457150157

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

SEDO



**Permit To Install
Terms and Conditions**

**Issue Date: 1/18/2005
Effective Date: 1/18/2005**

FINAL PERMIT TO INSTALL 06-07652

Application Number: 06-07652
Facility ID: 0684000105
Permit Fee: **\$800**
Name of Facility: Globe Metallurgical Inc
Person to Contact: Robert Rothwell
Address: P O Box 157 Co Rd 32
Beverly, OH 457150157

Location of proposed air contaminant source(s) [emissions unit(s)]:

**P O Box 157
Beverly, Ohio**

Description of proposed emissions unit(s):

Wood chipper.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous

calendar quarters. See B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition

declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit To Operate Application

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

12. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

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PTI Application: 06-07652
Issued: 1/18/2005

Facility ID: 0684000105

B. State Only Enforceable Permit To Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete

within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

5. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

6. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

7. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

8. Construction Compliance Certification

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If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) that the facility has been constructed in accordance with the Permit To Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

C. Permit To Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
PM/PM-10	3.02
SO2	1.64
NOx	24.74
CO	5.33
VOC	1.97

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Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None.

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
F014 - 25 ton per hour wood chipper	OAC rule 3745-31-05(A)(3)	1.26 TPY of particulate emissions (PE) Visible emissions of fugitive dust from this emissions unit shall not exceed 10% opacity, as a three-minute average. See section A.2.a.
	OAC rule 3745-17-08(B)	The control measure requirements established in this rule are less stringent than those established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(B)	The visible emission limitation specified in this rule is less stringent than the one established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- 2.a The permittee shall only process wood waste with a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust.

II. Operational Restrictions

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PTI A

Issued: 1/18/2005

Emissions Unit ID: F014

1. Annual operating hours for this emissions unit shall not exceed 4,200 hours per year.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. The permittee shall maintain records of the total operating hours for each month.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions. These reports shall be submitted to the Director (the Ohio EPA Southeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit a deviation report identifying any exceedance of the annual operating

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Emissions Unit ID: F014

hours restriction. The report shall be submitted within 30 days after the exceedance occurs.

V. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
1.26 TPY of PE

Applicable Compliance Method:
Compliance with the annual PE limitation shall be determined using the emission factor (0.024 lb of PE/ton) in Ohio EPA's guidance document entitled "Reasonably Available Control Measures," the 25 tons/hr maximum rated capacity of this emissions unit, and maximum operating hours of 4,200 hours/yr.
 - b. Emission Limitation:
Visible emissions of fugitive dust from this emissions unit shall not exceed 10 % opacity, as a three-minute average.
Applicable Compliance Method:
Compliance with the above visible emission limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A, with the modification listed in OAC rule 3745-17-03(B)(3)(a).

VI. Miscellaneous Requirements

None.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operations(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 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>
F014 - 25 ton per hour wood chipper	None	None

2. Additional Terms and Conditions

2.a None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

None.

VI. Miscellaneous Requirements

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operations(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 specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
P028 - 380 HP diesel engine	OAC rule 3745-31-05(A)(3)	OAC rule 3745-31-05(C)
		OAC rule 3745-17-11(B)(5)
		OAC rule 3745-17-07(A)(1)
		OAC rule 3745-18-06(G)

	<u>Applicable Emissions Limitations/Control Measures</u>	
OAC rule 3745-21-07(B)		5.33 TPY of CO, as a rolling, 12-month summation
OAC rule 3745-23-06(B)	11.78 lbs of nitrogen oxides (NOx)/hr	1.97 TPY of VOC, as a rolling, 12-month summation
OAC rule 3745-21-08(B)	24.74 TPY of NOx	
	0.78 lb of sulfur dioxide (SO2)/hr	1.76 TPY of PM-10, as a rolling, 12-month summation
	1.64 TPY of SO2	
	2.54 lbs of carbon monoxide (CO)/hr	0.310 lb of PE/million Btu of actual heat input
	5.33 TPY of CO	
	0.94 lb of volatile organic compounds (VOC)/hr	The visible emission limitation specified in this rule is less stringent than the one established pursuant to OAC rule 3745-31-05(A)(3).
	1.97 TPY of VOC	
	0.84 lb of particulate matter less than 10 microns in diameter (PM-10)/hr	This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).
	1.76 TPY of PM-10	
	Visible particulate emissions from this emissions unit shall not exceed 10% opacity, as a six-minute average.	See section A.2.c.
	See sections A.2.a, A.2.b, and B.1.	See section A.2.c.
	The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-11(B)(5)(a) and 3745-31-05(C).	See section A.2.d.
	24.74 TPY of NOx, as a rolling, 12-month summation	
	1.64 TPY of SO2, as a rolling, 12-month summation	

2. Additional Terms and Conditions

- 2.a** In accordance with OAC rule 3745-31-05(A)(3), best available technology for this emissions unit includes the emissions limitations specified above and the fuel restriction specified below.
- 2.b** The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no records are required to demonstrate compliance with these limitations.
- 2.c** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install (PTI).
- 2.d** On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the state regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio State Implementation Plan (SIP).

When the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" will no longer exist as part of the federally-approved SIP for Ohio, and this term and condition will no longer be applicable to this emissions unit.

II. Operational Restrictions

1. The permittee shall burn only diesel fuel in this emissions unit.
2. The quality of the fuel burned in this emissions unit shall meet, on an "as received" basis, a sulfur content which is sufficient to comply with the allowable SO₂ emissions limitation of 0.78 lb of SO₂/hr and 0.5% sulfur or less.
3. Annual operating hours for this emissions unit shall not exceed 4,200 hours per year. This operating hours restriction shall be based on a rolling, 12-month summation of the monthly operating hours.
 To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the permittee shall not exceed the operating hours specified in the following table:

<u>MONTH(s)</u>	<u>MAXIMUM ALLOWABLE CUMULATIVE OPERATING HOURS</u>
1	350
1-2	700
1-3	1,050
1-4	1,400

Globe**PTI A****Issued: 1/18/2005**

Emissions Unit ID: P028

1-5	1,750
1-6	2,100
1-7	2,450
1-8	2,800
1-9	3,150
1-10	3,500
1-11	3,850
1-12	4,200

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual operating hours restriction shall be based upon a rolling, 12-month summation of the monthly operating hours

III. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. For each shipment of fuel received for burning in this emissions unit, the permittee shall collect or require the fuel supplier to collect a representative grab sample of fuel and maintain records of the total quantity of fuel received, the permittee's or fuel supplier's analyses for sulfur content and heat content, and the calculated SO₂ emission rate (in lb/million Btu). [The SO₂ emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).] A shipment may be comprised of multiple truck loads from the same supplier's batch, and the quality of the fuel for those loads may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with Method 19 of 40 CFR, Part 60, Appendix A, or the appropriate ASTM methods (such as ASTM Methods D240 and D4294) or the equivalent methods as approved by the Director.

3. For each shipment of fuel received for burning in this emissions unit, the permittee shall maintain records of the total quantity of fuel received and the permittee's or fuel supplier's analyses for sulfur content and heat content.
4. The permittee shall maintain monthly records of the following information:
 - a. The total operating hours, in hours per month.
 - b. Beginning after the first 12 calendar months of operation under the provisions of this permit, the rolling, 12-month summations of the monthly total operating hours.

Also, during the first 12 calendar months of operation under the provisions of this permit, the permittee shall record the cumulative total operating hours for each calendar month.

5. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;

- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel fuel was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit quarterly deviation (excursion) reports that identify any record showing an exceedance of the 0.5% sulfur content restriction. The notification shall include a copy of any such record and shall be sent to the Ohio EPA's Southeast District Office as required in Part I, Section A.2.b of the General Terms and Conditions of this permit.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours restriction and for the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative operating hours.
4. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA Southeast District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitations specified in section A.1. and the operational restrictions

specified in section B. of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations:

The emissions from the exhaust of the diesel-fueled combustion engine shall not exceed any of the following:

11.78 lbs of NO_x/hr
24.74 TPY of NO_x

0.78 lb of SO₂/hr
1.64 TPY of SO₂

2.54 lbs of CO/hr
5.33 TPY of CO
0.94 lb of VOC/hr
1.97 TPY of VOC

0.84 lb of PM-10/hr
1.76 TPY of PM-10

Applicable Compliance Method:

Compliance with the hourly emission limitations shall be determined using the emission factors in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 "Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines" (10/96) and the 380 Hp rating of the unit. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission limitation by the maximum annual hours of operation (4,200 hours/yr) and dividing by 2,000 lbs/ton.

b. Emission Limitation:

Visible particulate emissions from this emissions unit shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:

Compliance with the above visible emission limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A.

c. Emission Limitation:

0.310 lb of PE/million Btu

Applicable Compliance Method:

Globe Metallurgical Inc
PTI Application: 06-07652
Issued

Facility ID: 0684000105

Emissions Unit ID: P028

Compliance with the above emission limitation shall be determined using the emission factor (0.31 lb/million Btu) in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 "Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines" (10/96).

- d. Emission Limitations:
 - 24.74 TPY of NO_x, as a rolling, 12-month summation
 - 1.64 TPY of SO₂, as a rolling, 12-month summation

5.33 TPY of CO, as a rolling, 12-month summation

1.97 TPY of VOC, as a rolling, 12-month summation

1.76 TPY of PM-10, as a rolling, 12-month summation

Applicable Compliance Method:

The annual emission limitations above were established by multiplying the maximum annual operating hours (4,200) by the appropriate emission factor from AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 "Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines" (10/96), using the 380 Hp rating of the unit, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the annual operating hours restriction, compliance with the annual emission limitations will be assumed. Compliance with the annual operating hours restriction shall be demonstrated by the monitoring and recordkeeping in section C.4.

VI. Miscellaneous Requirements

None.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
P028 - 380 HP diesel engine	None	None

2. Additional Terms and Conditions

- 2.a None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

None.

VI. Miscellaneous Requirements

None.