State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

RE: FINAL PERMIT TO INSTALL
TUSCARAWAS COUNTY
Application No: 06-06410

CERTIFIED MAIL

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 3/01/2001

IMCO Recycling of Ohio Inc
Mark Mantooth
7335 Newport Road SE
Uhrichsville, OH 44683

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, buy 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
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA SEDO

FINAL PERMIT TO INSTALL 06-06410

Application Number: 06-06410

APS Premise Number: 0679030152

Permit Fee: **$6000**

Name of Facility: IMCO Recycling of Ohio Inc

Person to Contact: Mark Mantooth

Address: 7335 Newport Road SE
Uhrichsville, OH 44683

Location of proposed air contaminant source(s) [emissions unit(s)]:
7335 Newport Road SE
Uhrichsville, Ohio

Description of proposed emissions unit(s):
Natural gas fired rotary furnace 1 through 10.

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 <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, 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.11 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 <u>obtained before</u> 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 thirty (30) 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.

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 Related to Monitoring and Recordkeeping 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. 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.

5. 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.

6. 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 are inadequate 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 prove to be inadequate or cannot meet applicable standards.

7. 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.

8. 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).

9. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) 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.

10. 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

Pollutant	Tons Per Year
PM	65.7
NOx	64.4
CO	54.3
HCl	65.7

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P901 - Rotary Furnace no 1.	OAC 3745-31-05(A)(3) 40 CFR 63.1500 - 63.1520 (MACT Subpart RRR)	Emissions limits: PM: 0.40 lb per ton of feed/charge, 6.57 TPY; D/F TEQ: 2.1 x 10^{-4} grain per ton of feed/charge; HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight, 6.57 TPY; and visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device; NOx: 1.47 lb per hour, 6.44 TPY; CO: 1.25 lb per hour, 5.43 TPY.
	OAC 3745-17-07 OAC 3745-17-11	The requirements of this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. On and after the date the initial performance test (required by 40CFR63.1511(b)) is completed or required to be completed, whichever date is earlier, the owner or operator of a new or existing affected source or emission unit must monitor all control equipment and processes according to the requirements in 40CFR63.1510.

IV. Reporting Requirements

1. Pursuant to 40CFR63.1515(b), each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in §63.1501 including the referenced information.

V. Testing Requirements

1. Compliance with the emissions limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitation: 0.40 lb of PM per ton of feed/charge; 2.1 x 10^{-4} gr of D/F TEQ per ton of feed/charge; and 0.40 lb of HCl per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight

      Applicable Compliance Method: Compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Methods 1-5, 23A, and 26A respectively. No testing is required at this time since it will be required soon by the MACT Subpart RRR standard.

   b. Emission Limitation: PM: 6.57 TPY, HCl: 6.57 TPY

      Applicable Compliance Method: Compliance shall be determined by multiplying the emission rate, in lb per ton, measured during the latest stack test by the maximum process weight rate and by 8760 hours per year, then dividing by 2000 lb per ton.
      (0.40 lb/ton)(3.75 ton/hr)(8760 hr/yr)/(2000 lb/ton) = 6.57 ton/yr

   c. Emission Limitation: 10% opacity of visible emissions

      Applicable Compliance Method: If required, compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Method 9.

d. Emission Limitation: NOx: 1.47 lb per hour, 6.44 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.098 lb/mmbtu)(15 mmbtu/hr) = 1.47 lb per hour
(1.47 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 6.44 ton/yr

e. Emission Limitation: CO: 1.25 lb per hour, 5.43 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.0824 lb/mmbtu)(15 mmbtu/hr) = 1.24 lb per hour
(1.24 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 5.43 ton/yr

VI. Miscellaneous Requirements

1. The requirements of this permit supersede the requirements for this emission unit found in PTI # 06-3362, issued April 8, 1992 and modified on May 6, 1992.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P901 - Rotary Furnace no 1.	OAC rule 3745-31-05	

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P902 - Rotary Furnace no 2.	OAC 3745-31-05(A)(3) 40 CFR 63.1500 - 63.1520 (MACT Subpart RRR)	Emissions limits: PM: 0.40 lb per ton of feed/charge, 6.57 TPY; D/F TEQ: 2.1 x 10^{-4} grain per ton of feed/charge; HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight, 6.57 TPY; and visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device; NOx: 1.47 lb per hour, 6.44 TPY; CO: 1.25 lb per hour, 5.43 TPY.
	OAC 3745-17-07 OAC 3745-17-11	The requirements of this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. On and after the date the initial performance test (required by 40CFR63.1511(b)) is completed or required to be completed, whichever date is earlier, the owner or operator of a new or existing affected source or emission unit must monitor all control equipment and processes according to the requirements in 40CFR63.1510.

IV. Reporting Requirements

1. Pursuant to 40CFR63.1515(b), each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in §63.1501 including the referenced information.

V. Testing Requirements

1. Compliance with the emissions limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitation: 0.40 lb of PM per ton of feed/charge; 2.1 x 10^{-4} gr of D/F TEQ per ton of feed/charge; and 0.40 lb of HCl per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight

      Applicable Compliance Method: Compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Methods 1-5, 23A, and 26A respectively. No testing is required at this time since it will be required soon by the MACT Subpart RRR standard.

   b. Emission Limitation: PM: 6.57 TPY, HCl: 6.57 TPY

      Applicable Compliance Method: Compliance shall be determined by multiplying the emission rate, in lb per ton, measured during the latest stack test by the maximum process weight rate and by 8760 hours per year, then dividing by 2000 lb per ton.
      (0.40 lb/ton)(3.75 ton/hr)(8760 hr/yr)/(2000 lb/ton) = 6.57 ton/yr

   c. Emission Limitation: 10% opacity of visible emissions

      Applicable Compliance Method: If required, compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Method 9.

d. Emission Limitation: NOx: 1.47 lb per hour, 6.44 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.098 lb/mmbtu)(15 mmbtu/hr) = 1.47 lb per hour
(1.47 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 6.44 ton/yr

e. Emission Limitation: CO: 1.25 lb per hour, 5.43 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.0824 lb/mmbtu)(15 mmbtu/hr) = 1.24 lb per hour
(1.24 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 5.43 ton/yr

VI. Miscellaneous Requirements

1. The requirements of this permit supersede the requirements for this emission unit found in PTI # 06-3362, issued April 8, 1992 and modified on May 6, 1992.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P902 - Rotary Furnace no 2.	OAC rule 3745-31-05	

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P903 - Rotary Furnace no 3.	OAC 3745-31-05(A)(3) 40 CFR 63.1500 - 63.1520 (MACT Subpart RRR)	Emissions limits: PM: 0.40 lb per ton of feed/charge, 6.57 TPY; D/F TEQ: 2.1 x 10^{-4} grain per ton of feed/charge; HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight, 6.57 TPY; and visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device; NOx: 1.47 lb per hour, 6.44 TPY; CO: 1.25 lb per hour, 5.43 TPY.
	OAC 3745-17-07 OAC 3745-17-11	The requirements of this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. On and after the date the initial performance test (required by 40CFR63.1511(b)) is completed or required to be completed, whichever date is earlier, the owner or operator of a new or existing affected source or emission unit must monitor all control equipment and processes according to the requirements in 40CFR63.1510.

IV. Reporting Requirements

1. Pursuant to 40CFR63.1515(b), each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in §63.1501 including the referenced information.

V. Testing Requirements

1. Compliance with the emissions limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitation: 0.40 lb of PM per ton of feed/charge; 2.1 x 10^{-4} gr of D/F TEQ per ton of feed/charge; and 0.40 lb of HCl per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight

      Applicable Compliance Method: Compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Methods 1-5, 23A, and 26A respectively. No testing is required at this time since it will be required soon by the MACT Subpart RRR standard.

   b. Emission Limitation: PM: 6.57 TPY, HCl: 6.57 TPY

      Applicable Compliance Method: Compliance shall be determined by multiplying the emission rate, in lb per ton, measured during the latest stack test by the maximum process weight rate and by 8760 hours per year, then dividing by 2000 lb per ton.
      (0.40 lb/ton)(3.75 ton/hr)(8760 hr/yr)/(2000 lb/ton) = 6.57 ton/yr

   c. Emission Limitation: 10% opacity of visible emissions

      Applicable Compliance Method: If required, compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Method 9.

d. Emission Limitation: NOx: 1.47 lb per hour, 6.44 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.098 lb/mmbtu)(15 mmbtu/hr) = 1.47 lb per hour
(1.47 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 6.44 ton/yr

e. Emission Limitation: CO: 1.25 lb per hour, 5.43 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.0824 lb/mmbtu)(15 mmbtu/hr) = 1.24 lb per hour
(1.24 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 5.43 ton/yr

VI. Miscellaneous Requirements

1. The requirements of this permit supersede the requirements for this emission unit found in PTI # 06-3362, issued April 8, 1992 and modified on May 6, 1992.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P903 - Rotary Furnace no 3.	OAC rule 3745-31-05	

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P904 - Rotary Furnace no 4.	OAC 3745-31-05(A)(3) 40 CFR 63.1500 - 63.1520 (MACT Subpart RRR)	Emissions limits: PM: 0.40 lb per ton of feed/charge, 6.57 TPY; D/F TEQ: 2.1 x 10^{-4} grain per ton of feed/charge; HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight, 6.57 TPY; and visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device; NOx: 1.47 lb per hour, 6.44 TPY; CO: 1.25 lb per hour, 5.43 TPY.
	OAC 3745-17-07 OAC 3745-17-11	The requirements of this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. On and after the date the initial performance test (required by 40CFR63.1511(b)) is completed or required to be completed, whichever date is earlier, the owner or operator of a new or existing affected source or emission unit must monitor all control equipment and processes according to the requirements in 40CFR63.1510.

IV. Reporting Requirements

1. Pursuant to 40CFR63.1515(b), each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in §63.1501 including the referenced information.

V. Testing Requirements

1. Compliance with the emissions limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitation: 0.40 lb of PM per ton of feed/charge; 2.1 x 10^{-4} gr of D/F TEQ per ton of feed/charge; and 0.40 lb of HCl per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight

      Applicable Compliance Method: Compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Methods 1-5, 23A, and 26A respectively. No testing is required at this time since it will be required soon by the MACT Subpart RRR standard.

   b. Emission Limitation: PM: 6.57 TPY, HCl: 6.57 TPY

      Applicable Compliance Method: Compliance shall be determined by multiplying the emission rate, in lb per ton, measured during the latest stack test by the maximum process weight rate and by 8760 hours per year, then dividing by 2000 lb per ton.
      (0.40 lb/ton)(3.75 ton/hr)(8760 hr/yr)/(2000 lb/ton) = 6.57 ton/yr

   c. Emission Limitation: 10% opacity of visible emissions

      Applicable Compliance Method: If required, compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Method 9.

d. Emission Limitation: NOx: 1.47 lb per hour, 6.44 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.098 lb/mmbtu)(15 mmbtu/hr) = 1.47 lb per hour
(1.47 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 6.44 ton/yr

e. Emission Limitation: CO: 1.25 lb per hour, 5.43 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.0824 lb/mmbtu)(15 mmbtu/hr) = 1.24 lb per hour
(1.24 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 5.43 ton/yr

VI. Miscellaneous Requirements

1. The requirements of this permit supersede the requirements for this emission unit found in PTI # 06-3362, issued April 8, 1992 and modified on May 6, 1992.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P904 - Rotary Furnace no 4.	OAC rule 3745-31-05	

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P905 - Rotary Furnace no 5.	OAC 3745-31-05(A)(3) 40 CFR 63.1500 - 63.1520 (MACT Subpart RRR)	Emissions limits: PM: 0.40 lb per ton of feed/charge, 6.57 TPY; D/F TEQ: 2.1 x 10^{-4} grain per ton of feed/charge; HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight, 6.57 TPY; and visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device; NOx: 1.47 lb per hour, 6.44 TPY; CO: 1.25 lb per hour, 5.43 TPY.
	OAC 3745-17-07 OAC 3745-17-11	The requirements of this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. On and after the date the initial performance test (required by 40CFR63.1511(b)) is completed or required to be completed, whichever date is earlier, the owner or operator of a new or existing affected source or emission unit must monitor all control equipment and processes according to the requirements in 40CFR63.1510.

IV. Reporting Requirements

1. Pursuant to 40CFR63.1515(b), each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in §63.1501 including the referenced information.

V. Testing Requirements

1. Compliance with the emissions limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitation: 0.40 lb of PM per ton of feed/charge; 2.1 x 10^{-4} gr of D/F TEQ per ton of feed/charge; and 0.40 lb of HCl per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight

      Applicable Compliance Method: Compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Methods 1-5, 23A, and 26A respectively. No testing is required at this time since it will be required soon by the MACT Subpart RRR standard.

   b. Emission Limitation: PM: 6.57 TPY, HCl: 6.57 TPY

      Applicable Compliance Method: Compliance shall be determined by multiplying the emission rate, in lb per ton, measured during the latest stack test by the maximum process weight rate and by 8760 hours per year, then dividing by 2000 lb per ton.
      (0.40 lb/ton)(3.75 ton/hr)(8760 hr/yr)/(2000 lb/ton) = 6.57 ton/yr

   c. Emission Limitation: 10% opacity of visible emissions

      Applicable Compliance Method: If required, compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Method 9.

d. Emission Limitation: NOx: 1.47 lb per hour, 6.44 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.098 lb/mmbtu)(15 mmbtu/hr) = 1.47 lb per hour
(1.47 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 6.44 ton/yr

e. Emission Limitation: CO: 1.25 lb per hour, 5.43 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.0824 lb/mmbtu)(15 mmbtu/hr) = 1.24 lb per hour
(1.24 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 5.43 ton/yr

VI. Miscellaneous Requirements

1. The requirements of this permit supersede the requirements for this emission unit found in PTI # 06-3362, issued April 8, 1992 and modified on May 6, 1992.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P905 - Rotary Furnace no 5.	OAC rule 3745-31-05	

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P906 - Rotary Furnace no 6.	OAC 3745-31-05(A)(3) 40 CFR 63.1500 - 63.1520 (MACT Subpart RRR)	Emissions limits: PM: 0.40 lb per ton of feed/charge, 6.57 TPY; D/F TEQ: 2.1 x 10^{-4} grain per ton of feed/charge; HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight, 6.57 TPY; and visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device; NOx: 1.47 lb per hour, 6.44 TPY; CO: 1.25 lb per hour, 5.43 TPY.
	OAC 3745-17-07 OAC 3745-17-11	The requirements of this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. On and after the date the initial performance test (required by 40CFR63.1511(b)) is completed or required to be completed, whichever date is earlier, the owner or operator of a new or existing affected source or emission unit must monitor all control equipment and processes according to the requirements in 40CFR63.1510.

IV. Reporting Requirements

1. Pursuant to 40CFR63.1515(b), each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in §63.1501 including the referenced information.

V. Testing Requirements

1. Compliance with the emissions limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitation: 0.40 lb of PM per ton of feed/charge; 2.1 x 10^{-4} gr of D/F TEQ per ton of feed/charge; and 0.40 lb of HCl per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight

      Applicable Compliance Method: Compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Methods 1-5, 23A, and 26A respectively. No testing is required at this time since it will be required soon by the MACT Subpart RRR standard.

   b. Emission Limitation: PM: 6.57 TPY, HCl: 6.57 TPY

      Applicable Compliance Method: Compliance shall be determined by multiplying the emission rate, in lb per ton, measured during the latest stack test by the maximum process weight rate and by 8760 hours per year, then dividing by 2000 lb per ton.
      (0.40 lb/ton)(3.75 ton/hr)(8760 hr/yr)/(2000 lb/ton) = 6.57 ton/yr

   c. Emission Limitation: 10% opacity of visible emissions

      Applicable Compliance Method: If required, compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Method 9.

d. Emission Limitation: NOx: 1.47 lb per hour, 6.44 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.098 lb/mmbtu)(15 mmbtu/hr) = 1.47 lb per hour
(1.47 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 6.44 ton/yr

e. Emission Limitation: CO: 1.25 lb per hour, 5.43 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.0824 lb/mmbtu)(15 mmbtu/hr) = 1.24 lb per hour
(1.24 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 5.43 ton/yr

VI. Miscellaneous Requirements

1. The requirements of this permit supersede the requirements for this emission unit found in PTI # 06-3362, issued April 8, 1992 and modified on May 6, 1992.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P906 - Rotary Furnace no 6.	OAC rule 3745-31-05	

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P907 - Rotary Furnace no 7.	OAC 3745-31-05(A)(3) 40 CFR 63.1500 - 63.1520 (MACT Subpart RRR)	Emissions limits: PM: 0.40 lb per ton of feed/charge, 6.57 TPY; D/F TEQ: 2.1 x 10^{-4} grain per ton of feed/charge; HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight, 6.57 TPY; and visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device; NOx: 1.47 lb per hour, 6.44 TPY; CO: 1.25 lb per hour, 5.43 TPY.
	OAC 3745-17-07 OAC 3745-17-11	The requirements of this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. On and after the date the initial performance test (required by 40CFR63.1511(b)) is completed or required to be completed, whichever date is earlier, the owner or operator of a new or existing affected source or emission unit must monitor all control equipment and processes according to the requirements in 40CFR63.1510.

IV. Reporting Requirements

1. Pursuant to 40CFR63.1515(b), each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in §63.1501 including the referenced information.

V. Testing Requirements

1. Compliance with the emissions limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitation: 0.40 lb of PM per ton of feed/charge; 2.1 x 10^{-4} gr of D/F TEQ per ton of feed/charge; and 0.40 lb of HCl per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight

      Applicable Compliance Method: Compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Methods 1-5, 23A, and 26A respectively. No testing is required at this time since it will be required soon by the MACT Subpart RRR standard.

   b. Emission Limitation: PM: 6.57 TPY, HCl: 6.57 TPY

      Applicable Compliance Method: Compliance shall be determined by multiplying the emission rate, in lb per ton, measured during the latest stack test by the maximum process weight rate and by 8760 hours per year, then dividing by 2000 lb per ton.
      (0.40 lb/ton)(3.75 ton/hr)(8760 hr/yr)/(2000 lb/ton) = 6.57 ton/yr

   c. Emission Limitation: 10% opacity of visible emissions

      Applicable Compliance Method: If required, compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Method 9.

d. Emission Limitation: NOx: 1.47 lb per hour, 6.44 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.098 lb/mmbtu)(15 mmbtu/hr) = 1.47 lb per hour
(1.47 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 6.44 ton/yr

e. Emission Limitation: CO: 1.25 lb per hour, 5.43 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.0824 lb/mmbtu)(15 mmbtu/hr) = 1.24 lb per hour
(1.24 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 5.43 ton/yr

VI. Miscellaneous Requirements

1. The requirements of this permit supersede the requirements for this emission unit found in PTI # 06-3362, issued April 8, 1992 and modified on May 6, 1992.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P907 - Rotary Furnace no 7.	OAC rule 3745-31-05	

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P908 - Rotary Furnace no 8.	OAC 3745-31-05(A)(3) 40 CFR 63.1500 - 63.1520 (MACT Subpart RRR)	Emissions limits: PM: 0.40 lb per ton of feed/charge, 6.57 TPY; D/F TEQ: 2.1 x 10^{-4} grain per ton of feed/charge; HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight, 6.57 TPY; and visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device; NOx: 1.47 lb per hour, 6.44 TPY; CO: 1.25 lb per hour, 5.43 TPY.
	OAC 3745-17-07 OAC 3745-17-11	The requirements of this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. On and after the date the initial performance test (required by 40CFR63.1511(b)) is completed or required to be completed, whichever date is earlier, the owner or operator of a new or existing affected source or emission unit must monitor all control equipment and processes according to the requirements in 40CFR63.1510.

IV. Reporting Requirements

1. Pursuant to 40CFR63.1515(b), each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in §63.1501 including the referenced information.

V. Testing Requirements

1. Compliance with the emissions limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitation: 0.40 lb of PM per ton of feed/charge; 2.1 x 10^{-4} gr of D/F TEQ per ton of feed/charge; and 0.40 lb of HCl per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight

      Applicable Compliance Method: Compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Methods 1-5, 23A, and 26A respectively. No testing is required at this time since it will be required soon by the MACT Subpart RRR standard.

   b. Emission Limitation: PM: 6.57 TPY, HCl: 6.57 TPY

      Applicable Compliance Method: Compliance shall be determined by multiplying the emission rate, in lb per ton, measured during the latest stack test by the maximum process weight rate and by 8760 hours per year, then dividing by 2000 lb per ton.
      (0.40 lb/ton)(3.75 ton/hr)(8760 hr/yr)/(2000 lb/ton) = 6.57 ton/yr

   c. Emission Limitation: 10% opacity of visible emissions

      Applicable Compliance Method: If required, compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Method 9.

d. Emission Limitation: NOx: 1.47 lb per hour, 6.44 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.098 lb/mmbtu)(15 mmbtu/hr) = 1.47 lb per hour
(1.47 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 6.44 ton/yr

e. Emission Limitation: CO: 1.25 lb per hour, 5.43 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.0824 lb/mmbtu)(15 mmbtu/hr) = 1.24 lb per hour
(1.24 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 5.43 ton/yr

VI. Miscellaneous Requirements

1. The requirements of this permit supersede the requirements for this emission unit found in PTI # 06-3362, issued April 8, 1992 and modified on May 6, 1992.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P908 - Rotary Furnace no 8.	OAC rule 3745-31-05	

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P910 - Rotary Furnace no 9.	OAC 3745-31-05(A)(3) 40 CFR 63.1500 - 63.1520 (MACT Subpart RRR)	Emissions limits: PM: 0.40 lb per ton of feed/charge, 6.57 TPY; D/F TEQ: 2.1 x 10^{-4} grain per ton of feed/charge; HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight, 6.57 TPY; and visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device; NOx: 1.47 lb per hour, 6.44 TPY; CO: 1.25 lb per hour, 5.43 TPY.
	OAC 3745-17-07 OAC 3745-17-11	The requirements of this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. On and after the date the initial performance test (required by 40CFR63.1511(b)) is completed or required to be completed, whichever date is earlier, the owner or operator of a new or existing affected source or emission unit must monitor all control equipment and processes according to the requirements in 40CFR63.1510.

IV. Reporting Requirements

1. Pursuant to 40CFR63.1515(b), each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in §63.1501 including the referenced information.

V. Testing Requirements

1. Compliance with the emissions limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitation: 0.40 lb of PM per ton of feed/charge; 2.1 x 10^{-4} gr of D/F TEQ per ton of feed/charge; and 0.40 lb of HCl per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight

      Applicable Compliance Method: Compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Methods 1-5, 23A, and 26A respectively. No testing is required at this time since it will be required soon by the MACT Subpart RRR standard.

   b. Emission Limitation: PM: 6.57 TPY, HCl: 6.57 TPY

      Applicable Compliance Method: Compliance shall be determined by multiplying the emission rate, in lb per ton, measured during the latest stack test by the maximum process weight rate and by 8760 hours per year, then dividing by 2000 lb per ton.
      (0.40 lb/ton)(3.75 ton/hr)(8760 hr/yr)/(2000 lb/ton) = 6.57 ton/yr

   c. Emission Limitation: 10% opacity of visible emissions

      Applicable Compliance Method: If required, compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Method 9.

d. Emission Limitation: NOx: 1.47 lb per hour, 6.44 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.098 lb/mmbtu)(15 mmbtu/hr) = 1.47 lb per hour
(1.47 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 6.44 ton/yr

e. Emission Limitation: CO: 1.25 lb per hour, 5.43 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.0824 lb/mmbtu)(15 mmbtu/hr) = 1.24 lb per hour
(1.24 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 5.43 ton/yr

VI. Miscellaneous Requirements

1. The requirements of this permit supersede the requirements for this emission unit found in PTI # 06-3362, issued April 8, 1992 and modified on May 6, 1992.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P910 - Rotary Furnace no 9.	OAC rule 3745-31-05	

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P911 - Rotary Furnace no 10.	OAC 3745-31-05(A)(3) 40 CFR 63.1500 - 63.1520 (MACT Subpart RRR)	Emissions limits: PM: 0.40 lb per ton of feed/charge, 6.57 TPY; D/F TEQ: 2.1 x 10^{-4} grain per ton of feed/charge; HCl: 0.40 lb per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight, 6.57 TPY; and visible emissions in excess of 10 percent opacity from any PM add-on air pollution control device; NOx: 1.47 lb per hour, 6.44 TPY; CO: 1.25 lb per hour, 5.43 TPY.
	OAC 3745-17-07 OAC 3745-17-11	The requirements of this rule are less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. On and after the date the initial performance test (required by 40CFR63.1511(b)) is completed or required to be completed, whichever date is earlier, the owner or operator of a new or existing affected source or emission unit must monitor all control equipment and processes according to the requirements in 40CFR63.1510.

IV. Reporting Requirements

1. Pursuant to 40CFR63.1515(b), each owner or operator must submit a notification of compliance status report within 60 days after the compliance dates specified in §63.1501 including the referenced information.

V. Testing Requirements

1. Compliance with the emissions limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:

   a. Emission Limitation: 0.40 lb of PM per ton of feed/charge; 2.1 x 10^{-4} gr of D/F TEQ per ton of feed/charge; and 0.40 lb of HCl per ton of feed/charge or, if the furnace is equipped with an add-on air pollution control device, 10 percent of the uncontrolled HCl emissions, by weight

      Applicable Compliance Method: Compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Methods 1-5, 23A, and 26A respectively. No testing is required at this time since it will be required soon by the MACT Subpart RRR standard.

   b. Emission Limitation: PM: 6.57 TPY, HCl: 6.57 TPY

      Applicable Compliance Method: Compliance shall be determined by multiplying the emission rate, in lb per ton, measured during the latest stack test by the maximum process weight rate and by 8760 hours per year, then dividing by 2000 lb per ton.
      (0.40 lb/ton)(3.75 ton/hr)(8760 hr/yr)/(2000 lb/ton) = 6.57 ton/yr

   c. Emission Limitation: 10% opacity of visible emissions

      Applicable Compliance Method: If required, compliance with these emission limits shall be demonstrated in accordance with 40 CFR 60 Appendix A, Method 9.

d. Emission Limitation: NOx: 1.47 lb per hour, 6.44 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.098 lb/mmbtu)(15 mmbtu/hr) = 1.47 lb per hour
(1.47 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 6.44 ton/yr

e. Emission Limitation: CO: 1.25 lb per hour, 5.43 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the emission factor for natural gas combustion, from AP-42 Table 1.4-1 (7/98), in lb per mmbtu, by the maximum btu rating of the burner to obtain the hourly emission rate. The hourly emission rate is then multiplied by 8760 hours per year, then divided by 2000 lb per ton to obtain the annual emission rate.
(0.0824 lb/mmbtu)(15 mmbtu/hr) = 1.24 lb per hour
(1.24 lb per hour)(8760 hr/yr)/(2000 lb/ton) = 5.43 ton/yr

VI. Miscellaneous Requirements

1. The requirements of this permit supersede the requirements for this emission unit found in PTI # 06-3362, issued April 8, 1992 and modified on May 6, 1992.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P911 - Rotary Furnace no 10.	OAC rule 3745-31-05	

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

NEW SOURCE REVIEW FORM B

PTI Number: 06-06410 Facility ID: 0679030152

FACILITY NAME IMCO Recycling of Ohio Inc

FACILITY DESCRIPTION Natural gas fired rotary furnace 1 through 10. CITY/TWP Uhrichsville

SIC CODE 3341 SCC CODE 3-04-001-99 EMISSIONS UNIT ID P901

EMISSIONS UNIT DESCRIPTION Rotary Furnace no 1.

DATE INSTALLED 1992

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.142 #/hr	0.62	0.40 #/ton charge	6.57
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides		1.47 #/hr	6.44	1.47 #/hr	6.44
Carbon Monoxide		1.24 #/hr	5.43	1.24 #/hr	5.43
Lead					
Other: Air Toxics		0.125 #/hr	0.55	0.40 #/ton charge	6.57

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Compliance with MACT subpart RRR, when effective; emission limits from MACT and AP-42.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 06-06410 Facility ID: 0679030152

FACILITY NAME IMCO Recycling of Ohio Inc

FACILITY DESCRIPTION Natural gas fired rotary furnace 1 through 10. CITY/TWP Uhrichsville

SIC CODE 3341 SCC CODE 3-04-001-99 EMISSIONS UNIT ID P902

EMISSIONS UNIT DESCRIPTION Rotary Furnace no 2.

DATE INSTALLED 1992

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.142 #/hr	0.62	0.40 #/ton charge	6.57
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides		1.47 #/hr	6.44	1.47 #/hr	6.44
Carbon Monoxide		1.24 #/hr	5.43	1.24 #/hr	5.43
Lead					
Other: Air Toxics		0.125 #/hr	0.55	0.40 #/ton charge	6.57

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Compliance with MACT subpart RRR, when effective; emission limits from MACT and AP-42.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 06-06410 Facility ID: 0679030152

FACILITY NAME IMCO Recycling of Ohio Inc

FACILITY DESCRIPTION Natural gas fired rotary furnace 1 through 10. CITY/TWP Uhrichsville

SIC CODE 3341 SCC CODE 3-04-001-99 EMISSIONS UNIT ID P903

EMISSIONS UNIT DESCRIPTION Rotary Furnace no 3.

DATE INSTALLED 1992

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.142 #/hr	0.62	0.40 #/ton charge	6.57
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides		1.47 #/hr	6.44	1.47 #/hr	6.44
Carbon Monoxide		1.24 #/hr	5.43	1.24 #/hr	5.43
Lead					
Other: Air Toxics		0.125 #/hr	0.55	0.40 #/ton charge	6.57

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Compliance with MACT subpart RRR, when effective; emission limits from MACT and AP-42.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 06-06410 Facility ID: 0679030152

FACILITY NAME IMCO Recycling of Ohio Inc

FACILITY DESCRIPTION Natural gas fired rotary furnace 1 through 10. CITY/TWP Uhrichsville

SIC CODE 3341 SCC CODE 3-04-001-99 EMISSIONS UNIT ID P904

EMISSIONS UNIT DESCRIPTION Rotary Furnace no 4.

DATE INSTALLED 1992

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.142 #/hr	0.62	0.40 #/ton charge	6.57
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides		1.47 #/hr	6.44	1.47 #/hr	6.44
Carbon Monoxide		1.24 #/hr	5.43	1.24 #/hr	5.43
Lead					
Other: Air Toxics		0.125 #/hr	0.55	0.40 #/ton charge	6.57

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Compliance with MACT subpart RRR, when effective; emission limits from MACT and AP-42.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 06-06410 Facility ID: 0679030152

FACILITY NAME IMCO Recycling of Ohio Inc

FACILITY DESCRIPTION Natural gas fired rotary furnace 1 through 10. CITY/TWP Uhrichsville

SIC CODE 3341 SCC CODE 3-04-001-99 EMISSIONS UNIT ID P905

EMISSIONS UNIT DESCRIPTION Rotary Furnace no 5.

DATE INSTALLED 1992

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.142 #/hr	0.62	0.40 #/ton charge	6.57
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides		1.47 #/hr	6.44	1.47 #/hr	6.44
Carbon Monoxide		1.24 #/hr	5.43	1.24 #/hr	5.43
Lead					
Other: Air Toxics		0.125 #/hr	0.55	0.40 #/ton charge	6.57

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Compliance with MACT subpart RRR, when effective; emission limits from MACT and AP-42.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 06-06410 Facility ID: 0679030152

FACILITY NAME IMCO Recycling of Ohio Inc

FACILITY DESCRIPTION Natural gas fired rotary furnace 1 through 10. CITY/TWP Uhrichsville

SIC CODE 3341 SCC CODE 3-04-001-99 EMISSIONS UNIT ID P906

EMISSIONS UNIT DESCRIPTION Rotary Furnace no 6.

DATE INSTALLED 1992

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.142 #/hr	0.62	0.40 #/ton charge	6.57
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides		1.47 #/hr	6.44	1.47 #/hr	6.44
Carbon Monoxide		1.24 #/hr	5.43	1.24 #/hr	5.43
Lead					
Other: Air Toxics		0.125 #/hr	0.55	0.40 #/ton charge	6.57

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Compliance with MACT subpart RRR, when effective; emission limits from MACT and AP-42.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 06-06410 Facility ID: 0679030152

FACILITY NAME IMCO Recycling of Ohio Inc

FACILITY DESCRIPTION Natural gas fired rotary furnace 1 through 10. CITY/TWP Uhrichsville

SIC CODE 3341 SCC CODE 3-04-001-99 EMISSIONS UNIT ID P907

EMISSIONS UNIT DESCRIPTION Rotary Furnace no 7.

DATE INSTALLED 1992

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.142 #/hr	0.62	0.40 #/ton charge	6.57
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides		1.47 #/hr	6.44	1.47 #/hr	6.44
Carbon Monoxide		1.24 #/hr	5.43	1.24 #/hr	5.43
Lead					
Other: Air Toxics		0.125 #/hr	0.55	0.40 #/ton charge	6.57

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Compliance with MACT subpart RRR, when effective; emission limits from MACT and AP-42.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 06-06410 Facility ID: 0679030152

FACILITY NAME IMCO Recycling of Ohio Inc

FACILITY DESCRIPTION Natural gas fired rotary furnace 1 through 10. CITY/TWP Uhrichsville

SIC CODE 3341 SCC CODE 3-04-001-99 EMISSIONS UNIT ID P908

EMISSIONS UNIT DESCRIPTION Rotary Furnace no 8.

DATE INSTALLED 1992

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.142 #/hr	0.62	0.40 #/ton charge	6.57
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides		1.47 #/hr	6.44	1.47 #/hr	6.44
Carbon Monoxide		1.24 #/hr	5.43	1.24 #/hr	5.43
Lead					
Other: Air Toxics		0.125 #/hr	0.55	0.40 #/ton charge	6.57

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Compliance with MACT subpart RRR, when effective; emission limits from MACT and AP-42.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 06-06410 Facility ID: 0679030152

FACILITY NAME IMCO Recycling of Ohio Inc

FACILITY DESCRIPTION Natural gas fired rotary furnace 1 through 10. CITY/TWP Uhrichsville

SIC CODE 3341 SCC CODE 3-04-001-99 EMISSIONS UNIT ID P910

EMISSIONS UNIT DESCRIPTION Rotary Furnace no 9.

DATE INSTALLED 1994

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.142 #/hr	0.62	0.40 #/ton charge	6.57
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides		1.47 #/hr	6.44	1.47 #/hr	6.44
Carbon Monoxide		1.24 #/hr	5.43	1.24 #/hr	5.43
Lead					
Other: Air Toxics		0.125 #/hr	0.55	0.40 #/ton charge	6.57

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Compliance with MACT subpart RRR, when effective; emission limits from MACT and AP-42.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 06-06410 Facility ID: 0679030152

FACILITY NAME IMCO Recycling of Ohio Inc

FACILITY DESCRIPTION Natural gas fired rotary furnace 1 through 10. CITY/TWP Uhrichsville

SIC CODE 3341 SCC CODE 3-04-001-99 EMISSIONS UNIT ID P911

EMISSIONS UNIT DESCRIPTION Rotary Furnace no 10.

DATE INSTALLED 1994

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.142 #/hr	0.62	0.40 #/ton charge	6.57
PM_{10}					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides		1.47 #/hr	6.44	1.47 #/hr	6.44
Carbon Monoxide		1.24 #/hr	5.43	1.24 #/hr	5.43
Lead					
Other: HCl		0.125 #/hr	0.55	0.40 #/ton charge	6.57

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Compliance with MACT subpart RRR, when effective; emission limits from MACT and AP-42.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

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Ohio EPA Permit to Install Information Form Please describe below any documentation which is being submitted with this recommendation (must be sent the same day). Electronic items should be submitted with the e-mail transmitting the PTI terms, and in software that CO can utilize. If mailing any hard copy, this section must be printed as a cover page. All items must be clearly labeled indicating the PTI name and number. Submit hard copy items to **Pam McGraner**, AQM&P, DAPC, Central Office, and electronic files to **airpti@epa.state.oh.us**

Please fill out the following. If the checkbox does not work, replace it with an 'X'	Electronic	**Additional information** File Name Convention (your PTI # plus this letter)	Hard Copy	None
Calculations (required)	☒	0000000**c**.wpd	☐	
Modeling form/results	☐	0000000**s**.wpd	☐	☒
PTI Application (complete or partial)*	☐	0000000**a**.wpd	☐	☒
BAT Study	☐	0000000**b**.wpd	☐	☒
Other/misc.	☒	0000000**t**.wpd	☐	☐

* Mandatory for netting, PSD, nonattainment NSR, 112(g), 21-07(G)(9)(g) and 21-09(U)(2)(f) - 2 complete copies.

Please complete (see comment bubble to the left for additional instructions):

NSR Discussion

IMCO is a secondary aluminum production facility. They became a Title V facility in 2000 and have recently submitted their Title V permit application. They will be subject to MACT Subpart RRR when it becomes effective March, 2003. Although this project is defined as a modification by chapter 31, it will not reclassify the furnaces as "new" under MACT; therefore, the MACT emission limits are being incorporated into the PTI but the other requirements are not. This PTI is a for the purpose of upgrading 10 identical existing rotary furnaces by replacing the 13 mmbh burners with 15 mmbh burners, allowing an increase in PWR from 2.5 to 3.75 TPH. Each furnace will have an increase in allowable emissions of 3.7 TPY PM and 2.3 TPY NOx, the only pollutants previously permitted.

Please complete for these type permits (For PSD/NSR Permit, place mouse over this text):

☐ **Synthetic Minor Determination and/or** ☐ **Netting Determination**

Permit To Install **ENTER PTI NUMBER HERE**

A. Source Description

B. Facility Emissions and Attainment Status

C. Source Emissions

D. Conclusion

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

NONE

Please complete:

C:\temp\permits3\9459.wpd

NEW SOURCE REVIEW FORM B

PTI Number: 06-06410 Facility ID: 0679030152

FACILITY NAME IMCO Recycling of Ohio Inc

FACILITY DESCRIPTION	Natural gas fired rotary furnace 1 through 10.	CITY/TWP	Uhrichsville

SUMMARY (for informational purposes only)

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
PM	65.7
NOx	64.4
CO	54.3
HCl	65.7

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