



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

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

Mailing Address:
Lazarus Gov.
Center

Application No: 03-13374

DATE: 6/28/00

Charter Steel
Jeff Richards
P.O. Box 1278
Fostoria OH, 44830

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

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

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Director's 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

NWDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install

Issue Date: June 28, 2000

FINAL PERMIT TO INSTALL 03-13374

Application Number: 03-13374
APS Premise Number: 0387000376
Permit Fee: **\$900**
Name of Facility: Charter Steel
Person to Contact: Jeff Richards
Address: P.O. Box 1278
Fostoria OH, 44830

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

**6255 U.S. Highway 23 South
Rising Sun, Ohio**

Description of proposed emissions unit(s):

Annealing Furnaces and Pickling Line.

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

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

1. Monitoring and Related Recordkeeping and Reporting Requirements

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

Charter Steel

PTI Application: 03-13374

Issued: June 28, 2000

Facility ID: 0387000376

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

Charter Steel
PTI Application: 03-13374
Issued: June 28, 2000

Facility ID: 0387000376

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

Charter Steel

PTI Application: 03-13374

Issued: June 28, 2000

Facility ID: 0387000376

Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35 , the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the source(s) covered by this permit.

Charter Steel
PTI Application: 03-13374
Issued: June 28, 2000

Facility ID: 0387000376

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. Best Available Technology

Charter Steel
PTI Application: 03-13374
Issued: June 28, 2000

Facility ID: 0387000376

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.

10. 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.

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

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

C. Permit To Install Summary of Allowable Emissions

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

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

<u>Pollutant</u>	<u>Tons Per Year</u>
NOx	18.2
PE	1.3
CO	5.3
HCl	53.4

Charter Steel

Facility ID: 0387000376

PTI Application: 03-13374

Issued: June 28, 2000

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.

Chart**PTI A****Issued: June 28, 2000****Part III - SPECIAL****TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

Emissions Unit ID: P001

A. State and Federally Enforceable Section**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P001 - Batch Pickling Line with four scrubbers	40 CFR Part 63 Subpart CCC	18 ppmv of hydrochloric acid (HCl), see A.I.2.a.
	40 CFR Part 63 Subpart A	General Provisions, see A.I.2.b.
	OAC Rule 3745-31-05	12.2 lbs HCl/hr and 53.4 tons HCl/yr
		0.6 lb nitrogen oxides (NO _x)/hr and 2.6 tons NO _x /yr
		0.1 lb particulate emissions (PE)/hr and 0.4 ton PE/yr
		1.0 lbs carbon monoxide (CO)/hr and 4.4 tons CO/yr
	OAC Rule 3745-17-11 (B)(4)	none, see A.I.2.c.
OAC Rule 3745-17-07(A)	none, see A.I.2.d.	

2. Additional Terms and Conditions

- 2.a The permittee has chosen to demonstrate compliance with 40 CFR Part 63.1158(a)(2) with the use of four scrubbers where the exhaust gasses shall not contain HCl in a

concentration in excess of the above limit.

- 2.b** In addition to the terms and conditions of this permit, this emissions unit is subject any applicable requirements of 40 CFR Part 63 Subpart A.
- 2.c** The uncontrolled mass rate of PE from this emissions unit is less than 10 pounds*/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight rate is equal to zero. "Process weight" is defined in OAC rule 3745-17-01(B)(14).
- * The burning of natural gas is the only source of PE from this emissions unit.
- 2.d** This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A) pursuant to OAC Rule 3745-17-07 (A)(3)(h) because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.

II. Operational Restrictions

1. During the performance test for each emission control device as described in condition A.V.1., the permittee shall establish site-specific operating parameter values for the minimum scrubber makeup water flow rate, and, for scrubbers that operate with recirculation, the minimum recirculation water flow rate. During the emission test, each operating parameter must be monitored continuously and recorded with sufficient frequency to establish a representative average value for that parameter, but no less frequently than once every 15 minutes. The permit shall determine the operating parameter monitoring values as the averages of the values recorded during any of the runs for which results are used to establish compliance with the emission limitations of this permit. The permittee may conduct multiple performance tests to establish alternative compliant operating parameter values. The permittee may also reestablish compliant operating parameter values as part of any performance test that is conducted subsequent to the initial test or tests.
2. Section 40 CFR Part 63.6 (e) requires the permittee to operate and maintain each affected emission source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the level required by the standard at all times, including during any period of startup, shutdown, or malfunction. Malfunctions must be corrected as soon as practicable after their occurrence in accordance with the startup, shutdown and malfunction plan (See Condition A.VI.3.).

III. Monitoring and/or Recordkeeping Requirements

1. As required by 40 CFR Part 63.10 (b)(2), the permittee shall maintain records for 5 years from the date of each record of:
 - a. The occurrence and duration of each startup, shutdown, or malfunction of operation (i.e., process equipment);
 - b. The occurrence and duration of each malfunction of the air pollution control equipment;
 - c. All maintenance performed on the air pollution control equipment;
 - d. Actions taken during periods of startup, shutdown, and malfunction and the dates of such actions (including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation) when these actions are different from the procedures specified in the startup, shutdown, and malfunction plan;
 - e. All information necessary to demonstrate conformance with the startup, shutdown, and malfunction plan when all actions taken during periods of startup, shutdown, and malfunction (including corrective actions to restore malfunctioning process and air pollution control equipment to its normal or usual manner of operation) are consistent with the procedures specified in such plan. This information can be recorded in a checklist or similar form (see 40 CFR Part 63.10 (b) (2) (v));
 - f. All required measurements needed to demonstrate compliance with the standard and to support data that the source is required to report, including, but not limited to, performance test measurements (including initial and any subsequent performance tests) and measurements as may be necessary to determine the conditions of the initial test or subsequent tests;
 - g. All results of initial or subsequent performance tests;
 - h. If the permittee has been granted a waiver from recordkeeping or reporting requirements under 40 CFR Part 63.10 (f), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements;
 - i. If the permittee has been granted a waiver from the initial performance test under 40 CFR Part 63.7 (h), a copy of the full request and the Administrator's approval or disapproval;
 - j. All documentation supporting initial notifications and notifications of compliance status required by 40 CFR Part 63.9;
 - k. Records of any applicability determination, including supporting analyses; and

Emissions Unit ID: P001

1. The records for the most recent 2 years of operation must be maintained on site. Records for the previous 3 years may be maintained off site.
2. The permittee shall install, operate, and maintain systems for the measurement and recording of the scrubber makeup water flow rate and, if required, recirculation water flow rate. These flow rates must be monitored continuously and recorded at least once per shift while the scrubber is operating. Operation of the wet scrubber with excursions of scrubber makeup water flow rate and recirculation water flow rate less than the minimum values established during the performance test or tests will require initiation of corrective action as specified by the maintenance requirements in Condition A.VI.2. Each monitoring device shall be certified by the manufacturer to be accurate to within 5 percent and shall be calibrated in accordance with the manufacturer's instructions but no less frequently than once per year. The permittee may develop and implement alternative monitoring requirements subject to approval by the Administrator. In addition to the general records required in Condition A.III.1., the permittee shall maintain records for 5 years from the date of each record of:
 - a. Scrubber makeup water flow rate and recirculation water flow rate if a wet scrubber is used;
 - b. Calibration and manufacturer certification that monitoring devices are accurate to within 5 percent;
 - c. Each maintenance inspection and repair, replacement, or other corrective action;
 - d. The records for the most recent 2 years of operation must be maintained on site. Records for the previous 3 years may be maintained off site.
3. The permittee shall keep the written operations and maintenance plan(see Condition A.VI.3.) on record after it is developed to be made available for inspection, upon request, by the Administrator for the life of the facility. In addition, if the operation and maintenance plan is revised, the permittee shall keep previous (i.e., superseded) versions of the plan on record to be made available for inspection by the Administrator for a period of 5 years after each revision to the plan.

IV. Reporting Requirements

1. As required by 40 CFR Part 63.9 (b) (3), the permittee, shall notify the Administrator in writing that the source is subject to the standards no later than 120 days after initial startup. The notification specified in 40 CFR Part 63.9 (b) (2) (I) through 63.9 (b) (2) (v), delivered or postmarked with the notification required in 40 CFR Part 63.9 (b) (5).
2. As required by 40 CFR Part 63.9 (b) (4), for which an application for approval of construction or reconstruction is required under 40 CFR Part 63.5 (d) the permittee shall provide the information specified in 40 CFR Part 63.9 (b) (4) (i) through 63.9 (b) (4) (v).

Emissions Unit ID: P001

3. As required by 40 CFR Part 63.9 (h) , the permittee shall submit a notification of compliance status when the source becomes subject to this standard. As required by 40 CFR Part 63.10 (d) (2), the permittee of an affected source shall report the results of any performance test as part of the notification of compliance status.
4. As required by 40 CFR Part 63.9 (c), if the permittee of an affected source cannot comply with this standard by the applicable compliance date, or if the permittee has installed BACT or technology to meet LAER consistency with 40 CFR Part 63.6 (I) (5), he/she may submit to the Administrator a request for an extension of compliance as specified in 40 CFR Part 63.6 (I) (4) through 63.6 (I) (6).
5. As required by 40 CFR Part 63.9 99(d), a permittee that is subject to special compliance requirements as specified in 40 CFR Part 63.6 (b) (3) and 63.6 (b) (4) shall notify the Administrator of his/her compliance obligations not later than the notification dates established in 40 CFR Part 63.9 (b) for new sources that are not subject to the special provisions.
6. If the permittee is required to submit progress reports under 40 CFR Part 63.6 (I) of this part shall submit such reports to the Administrator by the dates specified in the written extension of compliance.
7. As required by 40 CFR Part 63.10 (d) (5) (i), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the startup, shutdown, and malfunction plan, the permittee shall state such information in a semiannual report. The report, to be certified by the permittee, shall be submitted semiannually and delivered or postmarked by the 30th day following the end of each calendar half.
8. Any time an action taken by an permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall comply with all requirements of 40 CFR Part 63.10 (d) (5) (ii) .

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 180 days after initial startup of such emissions unit.
 - b. The emission testing shall be conducted to demonstrate compliance with the mass rate and outlet concentration of HCl.
 - c. The following test method(s) shall be employed to demonstrate compliance with the above emissions limitations: Method 26A, "Determination of Hydrogen Halide and Halogen

Issued: June 28, 2000

Emissions from Stationary Sources-Isokinetic Method". The minimum sampling time for each run shall be 60 minutes and the minimum sample volume 0.85 dry standard cubic meters (30 dry standard cubic feet).

- d. The concentrations of HCl shall be calculated for each run as follows: $C_{\text{HCl}} (\text{ppmv}) = 0.659 C_{\text{HCl}} (\text{mg/dscm})$, where $C (\text{ppmv})$ is concentration in ppmv and $C (\text{mg/dscm})$ is concentration in milligrams per dry standard cubic meter as calculated by the procedure given in Method 26A. The permittee may use equivalent alternative measurement methods approved by the Administrator.
- e. Compliance with the applicable concentration standard shall be determined by the average of three consecutive runs or by the average of any three of four consecutive runs. Each run shall be conducted under condition representative of normal process operations.
- f. As required by 40 CFR Part 63.9 (e), the permittee of an affected source shall notify the Administrator in writing of his or her intention to conduct a performance test (Intent to Test) at least 60 calendar days before the performance test is scheduled to begin, to allow the Administrator to review and approve the site-specific test plan required under 40 CFR Part 63.7 © and, if requested by the Administrator, to have an observer present during the test.
- Not later than 60 days prior to the proposed test date(s), the permittee shall also submit an "Intent to Test" notification to the Ohio EPA, Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Northwest District Office refusal to accept the results of the emission test(s).
- g. Personnel from the Ohio EPA, Northwest District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- h. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northwest District Office within 60 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Administrator and the Ohio EPA, Northwest District Office.

Emissions Unit ID: P001

2. Compliance with the allowable emission limitations in this permit shall be determined according to the following methods:

a. Emission Limitation

HCl emissions shall not exceed 18 ppmv
12.2 lbs HCl/hr
53.4 tons HCl/yr

Applicable Compliance Method

Compliance with the allowable outlet concentration, and the lbs/hr emission limitation shall be demonstrated by the performance testing as described in condition A.V.1.

Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

b. Emission Limitation

0.1 lb PE/hr
0.4 ton PE/yr

Applicable Compliance Method

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 7.6 pounds PE/mm scf of NG burned (AP-42 Table 1.4-1 and 1.4-2 dated 7/98) by a heat content of 1 mm scf of NG/1050 mm Btus by the maximum capacity of the units (12.56 mm Btu/hr). If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

c. Emission Limitation

0.6 lb NO_x/hr
2.6 tons NO_x/yr

Applicable Compliance Method

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 50.0 pounds NO_x/mm scf of NG burned (AP-42 Table 1.4-1 and 1.4-2 dated 7/98) by a heat content of 1 mm scf of NG/1050 mm Btus by the maximum capacity of the units (12.56 mm Btu/hr). If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

d. Emission Limitation

1.0 lbs CO/hr
4.4 tons CO/yr

Applicable Compliance Method

Issued: June 28, 2000

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 84.0 pounds CO/mm scf of NG burned (AP-42 Table 1.4-1 and 1.4-2 dated 7/98) by a heat content of 1 mm scf of NG/1050 mm Btus by the maximum capacity of the units (12.56 mm Btu/hr). If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

VI. Miscellaneous Requirements

1. In delegating implementation and enforcement authority to a State under 40 CFR Part 63, Subpart E, the following authorities shall be retained by the Administrator and not transferred to a State:
 - a. Approval of alternative emission standards to those standards specified in 40 CFR Part 63.1157 and 63.1158;
 - b. Approval of alternative measurement methods for HCl to those specified in 40 CFR Part 63.1161 (d) (1);
 - c. Approval of alternative monitoring requirements to those specified in 40 CFR Part 63.1162(a) (2) through 63.1162 (a) (5) and 63.1162 (b) (1) through 63.1162 (b) (3); and
 - d. Waiver of record keeping requirements specified in 40 CFR Part 63.1165.

The following authorities shall be delegated to State: All other authorities, including approval of an alternative schedule for conducting performance tests to the requirement specified in 40 CFR Part 63.1162 (a) (1).

2. As required by 40 CFR Part 63.6 (e) (3), the permittee shall develop and implement a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, or malfunction, and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard.
3. The permittee shall comply with the operation and maintenance requirements in 40 CFR Part 63.6 (e). In addition to these requirements, the permittee shall prepare an operation and maintenance plan for each emission control device to be implemented no later than the compliance date. The plan shall be incorporated by reference into the Title V permit. All such plans must be consistent with good maintenance practices and, for a scrubber emission control device, must at a minimum:

Emissions Unit ID: P001

- a. Require monitoring and recording the pressure drop across the scrubber once per shift while the scrubber is operating in order to identify changes that may indicate a need for maintenance;
- b. Require the manufacturer's recommended maintenance at the recommended intervals on fresh solvent pumps, recirculating pumps, discharge pumps, and other liquid pumps, in addition to exhaust system and scrubber fans and motors associated with those pumps and fans;
- c. Require cleaning of the scrubber internals and mist eliminators at intervals sufficient to prevent buildup of solids or other fouling;
- d. Require an inspection of each scrubber at intervals of no less than 3 months with:
 - i. Cleaning or replacement of any plugged spray nozzles or other liquid delivery devices;
 - ii. Repair or replacement of missing, misaligned, or damaged baffles, trays, or other internal components;
 - iii. Repair or replacement of droplet eliminator elements as needed;
 - iv. Repair or replacement of heat exchanger elements used to control the temperature of fluids entering or leaving the scrubber; and
 - v. Adjustment of damper settings for consistency with the required air flow.
- e. If the scrubber is not equipped with a viewport or access hatch allowing visual inspection, alternative means of inspection approved by the Administrator may be used.
- f. The permittee shall initiate procedures for corrective action within 1 working day of detection of any operating problem and complete all corrective actions as soon as practicable. Procedures to be initiated are the applicable actions that are specified in the maintenance plan.
- g. The permittee shall maintain a record of each inspection, including each item identified in condition VI.2.d., that is signed by the responsible maintenance official and that shows the date of each inspection, the problem identified, a description of the repair, replacement or other corrective action taken.

Issued: June 28, 2000

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P001 - Pickling Line	none	

2. Additional Terms and Conditions

2.a none

II. Operational Restrictions

none

III. Monitoring and/or Recordkeeping Requirements

none

IV. Reporting Requirements

none

V. Testing Requirements

none

VI. Miscellaneous Requirements

none

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P002 - Annealing Furnace	OAC 3745-31-05	1.19 lbs nitrogen oxides (NO _x)/hr and 5.2 tons NO _x /yr 0.04 lb particulate emissions (PE)/hr and 0.3 ton PE/yr 0.07 lb carbon monoxide (CO)/hr and 0.3 0.2 ton CO/yr
	OAC 3745-17-11	none, see A.I.2.a
	OAC 3745-17-07(A)	none, see A.I.2.b.

2. Additional Terms and Conditions

- 2.a The uncontrolled mass rate of PE from this emissions unit is less than 10 pounds*/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight rate is equal to zero. "Process weight" is defined in OAC rule 3745-17-01(B)(14).

* The burning of natural gas is the only source of PE from this emissions unit.

- 2.b This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A) pursuant to OAC Rule 3745-17-07 (A)(3)(h) because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.

II. Operational Restrictions

The permittee shall burn only natural gas in this emissions unit.

III. Monitoring and/or Recordkeeping Requirements

For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

VI. Testing Requirements

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

- a. Emission Limitation:
0.04 lb PE/hr
0.2 tons PE/yr

Applicable Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 0.0072 lb PE/mm Btu (AP-42 AP-42 Table 1.4-1 and 1.4-2, dated 07/98) by the maximum rating of 6.1 mm Btu/hr. If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

- b. Emission Limitation:
1.19 lb NO_x/hr
5.2 tons NO_x/yr

Applicable Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 0.1187 lb NO_x/mm Btu (manufacturer supplied) by the maximum rating of 6.1 mm Btu/hr. If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

Chart**PTI A**

Emissions Unit ID: P002

Issued: June 28, 2000

- c. 0.07 lb CO/hr
0.3 ton CO/yr

The hourly emission limitation was based on the maximum emission rate of 0.07 lb CO/hr (permittee supplied). If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P002 - Annealing Furnace	none	

2. Additional Terms and Conditions

none

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P003 - Annealing Furnace	OAC 3745-31-05	1.19 lbs nitrogen oxides (NO _x)/hr & 5.2 tons NO _x /yr
		0.04 lb particulate emissions (PE)/hr & 0.3 ton PE/yr
		0.07 lb carbon monoxide (CO)/hr and 0.3 0.2 ton CO/yr
	OAC 3745-17-11	none, see A.I.2.a
	OAC 3745-17-07(A)	none, see A.I.2.b.

2. Additional Terms and Conditions

Chart**PTI A**

Emissions Unit ID: P003

Issued: June 28, 2000

2.a The uncontrolled mass rate of PE from this emissions unit is less than 10 pounds*/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight rate is equal to zero. "Process weight" is defined in OAC rule 3745-17-01(B)(14).

* The burning of natural gas is the only source of PE from this emissions unit.

2.b This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A) pursuant to OAC Rule 3745-17-07 (A)(3)(h) because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.

Issued: June 28, 2000

II. Operational Restrictions

The permittee shall burn only natural gas in this emissions unit.

III. Monitoring and/or Recordkeeping Requirements

For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

VII. Testing Requirements

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

- a. Emission Limitation:
0.04 lb PE/hr
0.2 tons PE/yr

Applicable Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 0.0072 lb PE/mm Btu (AP-42 AP-42 Table 1.4-1 and 1.4-2, dated 07/98) by the maximum rating of 6.1 mm Btu/hr. If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

- b. Emission Limitation:
1.19 lb NO_x/hr
5.2 tons NO_x/yr

Applicable Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 0.195 lb NO_x/mm Btu (manufacturer supplied) by the maximum rating of 6.1 mm Btu/hr. If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods. Compliance with

Charter Steel**PTI Application: 02 12274****Issued****Facility ID: 0387000376**

Emissions Unit ID: P003

the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

- c. 0.07 lb CO/hr
0.3 ton CO/yr

The hourly emission limitation was based on the maximum emission rate of 0.07 lb CO/hr (permittee supplied). If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton

VI. Miscellaneous Requirements

None

Chart

PTI A

Emissions Unit ID: P003

Issued: June 28, 2000

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P003 - Annealing Furnace	None	

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Issued: June 28, 2000

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

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P004 - Annealing Furnace	OAC 3745-31-05	1.19 lbs nitrogen oxides (NO _x)/hr & 5.2 tons NO _x /yr 0.04 lb particulate emissions (PE)/hr & 0.3 0.2 ton PE/yr 0.07 lb carbon monoxide (CO)/hr and 0.3 ton CO/yr
	OAC 3745-17-11	none, see A.I.2.a
	OAC 3745-17-07(A)	none, see A.I.2.b.

2. Additional Terms and Conditions

- 2.a The uncontrolled mass rate of PE from this emissions unit is less than 10 pounds*/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight rate is equal to zero. "Process weight" is defined in OAC rule 3745-17-01(B)(14).

* The burning of natural gas is the only source of PE from this emissions unit.

- 2.b This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A) pursuant to OAC Rule 3745-17-07 (A)(3)(h) because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.

II. Operational Restrictions

The permittee shall burn only natural gas in this emissions unit.

III. Monitoring and/or Recordkeeping Requirements

For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

VI. Testing Requirements

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

- a. Emission Limitation:
0.04 lb PE/hr
0.2 tons PE/yr

Applicable Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 0.0072 lb PE/mm Btu (AP-42 AP-42 Table 1.4-1 and 1.4-2, dated 07/98) by the maximum rating of 6.1 mm Btu/hr. If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

- b. Emission Limitation:
1.19 lb NO_x/hr
5.2 tons NO_x/yr

Applicable Compliance Method:

Compliance with the lb/hr emission limitation shall be demonstrated by multiplying the emission factor of 0.1187 lb NO_x/mm Btu (manufacturer supplied) by the maximum rating of 6.1 mm Btu/hr. If required, the permittee shall demonstrate compliance by

Charter Steel**PTI Application: 02 12274****Issued****Facility ID: 0387000376**

Emissions Unit ID: P004

emission testing in accordance with approved US EPA test methods. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

- c. 0.07 lb CO/hr
0.3 ton CO/yr

The hourly emission limitation was based on the maximum emission rate of 0.07 lb CO/hr (permittee supplied). If required, the permittee shall demonstrate compliance by emission testing in accordance with approved US EPA test methods. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

VI. Miscellaneous Requirements

None

Issued: June 28, 2000

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P004 - Annealing Furnace	None	

2. Additional Terms and Conditions

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: 03-13374 Facility ID: 0387000376

FACILITY NAME Charter Steel

FACILITY DESCRIPTION Annealing Furnaces and Pickling Line. CITY/TWP Rising Sun

SIC CODE 3398 SCC CODE _____ EMISSIONS UNIT ID P001

EMISSIONS UNIT DESCRIPTION Pickling Line

DATE INSTALLED _____

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				0.1	0.4
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides				0.6	2.6
Carbon Monoxide				1.0	4.4
Lead					
Other:HCl				12.2	53.4

APPLICABLE FEDERAL RULES:

NSPS? _____ NESHAP? _____ PSD? _____ OFFSET POLICY? _____

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

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

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: 03-13374

Facility ID: 0387000376

FACILITY NAME Charter Steel

FACILITY DESCRIPTION Annealing Furnaces and Pickling Line.

CITY/TWP Rising Sun

Emissions Unit ID: P004

SIC CODE 3398

SCC CODE

EMISSIONS UNIT ID

P002

EMISSIONS UNIT DESCRIPTION Annealing Furnace

DATE INSTALLED

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	attainment	0.07	0.3	0.07	0.3
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides	attainment	1.19	5.2	1.19	5.2
Carbon Monoxide				0.07	0.3
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? CCC

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination

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: 03-13374

Facility ID: 0387000376

FACILITY NAME Charter Steel

FACILITY DESCRIPTION Annealing Furnaces and Pickling Line.

CITY/TWP Rising Sun

Emissions Unit ID: P004

SIC CODE 3398

SCC CODE

EMISSIONS UNIT ID

P003

EMISSIONS UNIT DESCRIPTION Annealing Furnace

DATE INSTALLED

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	attainment	0.07	0.3	0.07	0.3
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides	attainment	1.19	5.2	1.19	5.2
Carbon Monoxide				0.07	0.3
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? CCC

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination

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:

38 **NEW SOURCE REVIEW FORM B**

PTI Number: 03-13374

Facility ID: 0387000376

FACILITY NAME Charter Steel

FACILITY DESCRIPTION Annealing Furnaces and Pickling Line.

CITY/TWP Rising Sun

Emissions Unit ID: P004

SIC CODE 3398

SCC CODE

EMISSIONS UNIT ID

P004

EMISSIONS UNIT DESCRIPTION Annealing Furnace

DATE INSTALLED

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	attainment	0.07	0.3	0.07	0.3
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides	attainment	1.19	5.2	1.19	5.2
Carbon Monoxide				0.07	0.3
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? CCC

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination

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: 03-13374

Facility ID: 0387000376

FACILITY NAME Charter Steel

FACILITY DESCRIPTION Annealing Furnaces and Pickling Line.

CITY/TWP

Rising Sun

Emissions Unit ID: P004

Please describe any hard copy information is being submitted with this recommendation (Please send hard copy information to Pam McGraner, DAPC Central Office - Air Quality Modeling and Planning):

Permit Review form & calculations

Please provide any additional permit specific notes as you deem necessary:

MACT Source, Facility will be requesting hardship exemption.

Permit To Install Synthetic Minor Write-Up

NONE

Please fill in the following for this permit:

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
NOx	18.2
PE	1.3
CO	5.3
HCl	53.4