



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 08-04739

Fac ID: 0812100588

DATE: 6/13/2006

City Wide Towing and Auto Wrecking
David Chapman
930 Dayton Ave.
Springfield, OH 45506-1711

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

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

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

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

Sincerely,

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

CC: USEPA

RAPCA



**Permit To Install
Terms and Conditions**

**Issue Date: 6/13/2006
Effective Date: 6/13/2006**

FINAL PERMIT TO INSTALL 08-04739

Application Number: 08-04739
Facility ID: 0812100588
Permit Fee: **\$500**
Name of Facility: City Wide Towing and Auto Wrecking
Person to Contact: David Chapman
Address: 930 Dayton Ave.
Springfield, OH 45506-1711

Location of proposed air contaminant source(s) [emissions unit(s)]:
**930 Dayton Ave.
Springfield, Ohio**

Description of proposed emissions unit(s):
New aluminum recycling furnace.

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. Permit to Install General Terms and Conditions

1. Compliance Requirements

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

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping 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 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. Records Retention Requirements

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.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon

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the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. 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 verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. 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 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. 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 emissions unit(s) that is (are) served by such control system(s).

6. 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.

7. 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.

8. 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.

9. Construction of New Sources(s)

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

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

10. 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.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. 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.

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13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

14. 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.

15. 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.

B. 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>
PE	0.14
Nitrogen Oxides	1.93

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. 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 - secondary aluminum sweat furnace with afterburner	OAC rule 3745-31-05(A)(3)	The particulate emissions (PE) shall not exceed 0.03 lb/hr and 0.14 TPY.
		The nitrogen oxides (NO _x) emissions shall not exceed 1.93 TPY.
		The visible PE shall not exceed 10 percent opacity, as a 6-minute average.
		The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subparts A and RRR.
	OAC rule 3745-17-07(A)(1)(a) OAC rule 3745-17-11(B)(1)	The emission limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
	40 CFR Part 63, Subparts A and RRR	See Section A.2.b.

2. Additional Terms and Conditions

- 2.a** The 0.03 lb/hr and 0.14 TPY PE were developed for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.
- 2.b** The permittee is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Secondary Aluminum Production 40 CFR Part 63, Subpart RRR. promulgated March 23, 2000 and must comply with the provisions of the rule new as an area source.

B. Operational Restrictions

- 1. An afterburner for controlling emissions must be installed and used at all times during operation of the furnace. The after burner shall have a design residence time of 0.8 second or greater, and the average combustion temperature, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1650 degrees Fahrenheit.
- 2. The furnace and afterburner shall be operated and maintained in accordance with the emissions unit's operation, maintenance and monitoring (OM&M) plan following the manufacturer's recommendations, instructions, and operating manuals.
- 3. The emissions unit can only operate with metallic charge, any nonmetallic charge shall not be loaded into the furnace. All metallic charge shall be free of ice, water, lead and magnesium.
- 4. This emissions unit shall burn on-specification used recycled oil, # 2 fuel oil and/or natural gas.
- 5. All used oil burned in this emissions unit shall be "on-specification" (on-spec) oil and must meet the used oil fuel specifications contained in OAC 3745-279-11, which restricts the used oil to the following limitations:

<u>Contaminant/Property</u>	<u>Allowable Specifications</u>
arsenic	5 ppm, maximum
cadmium	2 ppm, maximum
chromium	10 ppm, maximum

lead	100 ppm, maximum
total halogens	4,000 ppm maximum*
flash point	100°F, minimum;

and shall also not exceed the following maximum PCB and mercury limitations nor fall below the following heating value:

heat content	135,000 Btu/gallon, minimum
PCB's	50 ppm, maximum
mercury	1 ppm, maximum

* Used oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under paragraph (B)(1) of rule 3745-279-10 of the Administrative Code. The permittee may receive and burn used oil exceeding 1,000 ppm total halogens (but less than 4,000 ppm maximum) only if the permittee has demonstrated that the used oil does not contain any hazardous waste pursuant to OAC rule 3745-279-63.

The burning of used oil not meeting the above limitations in this emissions unit is prohibited. The management and burning of used oil is subject to the Standards for the Management of Used Oil, OAC Chapter 3745-279, and the permittee shall document and assure that used oils burned in this emissions unit meet all of the applicable requirements of this Chapter.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature at the exit of the of the combustion zone for the afterburner, in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The monitoring system shall collect and record the average temperature for 15 minute block averages and determine the average temperature for each 3-hour block of time.

2. 40 CFR Part 63, Subpart RRR requires a calibration and certification of the afterburner temperature monitor be performed every six months. An alternative to performing the calibration and certification for every six months was approved by USEPA for this

Emissions Unit ID: **P001**

emissions unit. The alternative requires the procedures as outlined in the USEPA approval letter of February 17, 2006 be implemented in the operation, maintenance and monitoring plan for this emissions unit. These procedures include the following specifications for the continuous temperature monitor and recorder for measuring and recording the temperature at the exit of the of the combustion zone for the afterburner:

- a. The permittee shall utilize three pieces of equipment: a data logger, a dual thermocouple and a digital readout. The data logger shall utilize a software program to allow the operator to arrange data in a spreadsheet file. A spool of very low impedance wire shall also be utilized as part of the package since the currents generated by the thermocouples may be very low.
 - b. Dual thermocouples shall be used so that the data logger and the digital read-out each has its own thermocouple. As a result, there will be sufficient current for the digital read-out and the data logger to read properly. Both thermocouples will read the same temperature and report to their own piece of equipment. As part of the standard operating procedure, a second set of thermocouples shall be kept on site to replace a malfunctioning unit immediately.
3. The permittee shall collect and record the following information each day when the emissions unit was in operation:
- a. a log or record of the downtime for the afterburner or monitoring equipment when the associated emissions unit was in operation;
 - b. all 3-hour blocks of time during which the average combustion temperature of the afterburner was less than 1650 degrees Fahrenheit; and
 - c. the fuel used (i.e., used recycled oil, #2 fuel oil, or natural gas).
4. The permittee shall receive and maintain the chemical analyses from the supplier/marketer for each shipment of used oil burned in this emissions unit, which shall contain the following information:
- a. the date the used oil was received at the facility;
 - b. the name, address, and U.S. EPA identification number (if applicable) of the generator, transporter, processor/re-finer, supplier, and/or marketer;
 - c. the results of the chemical analyses demonstrating the used oil meets the

standards in OAC 3745-279-11, including:

- i. arsenic content, in ppm;
 - ii. the cadmium content, in ppm;
 - iii. the chromium content, in ppm;
 - iv. the lead content, in ppm;
 - v. total halogens, in ppm; and
 - vi. the flash point
- d. the analysis demonstrating that the used oil has a total halogen content below 1,000 ppm, or below 4,000 ppm with the demonstration for the rebuttal of the presumption that the oil is hazardous waste or has been mixed with hazardous waste, as described in OAC rule 3745-279-63 (B); and
- e. the results of the analyses demonstrating that the used oil meets the heating value and mercury and PCB limitations contained in this permit.

Each analysis shall be kept in a readily accessible location for a period of not less than 3 years following the receipt of each shipment of used oil and shall be made available to the Ohio EPA Division of Hazardous Waste Management and/or the Division of Air Pollution Control (the appropriate Ohio EPA District Office or local air agency) upon verbal or written request. Any authorized representative of the Ohio EPA may sample or require sampling of any used oil shipments received, stored, or burned by/at this facility for periodic detailed chemical analyses, through an independent laboratory.

5. It is not necessary that the permittee perform chemical analysis specified in C.3 for used oil generated and collected on-site and burned in this emissions unit, so long as the oil consists of only automotive and truck oils.
6. The permittee shall implement the procedures outlined in the USEPA approval letter of February 17, 2006 in the operation, maintenance and monitoring plan for this emissions unit as an alternative to performing a calibration and certification of the afterburner temperature monitor every six months as specified by Subpart RRR.

D. Reporting Requirements

1. The permittee shall submit quarterly deviations (excursion) reports that identify all periods of time during which the temperature of the smelting furnace afterburner was not maintained at or above the required temperature as specified in Section B.1 of this permit.

2. The permittee shall notify the Ohio EPA Division of Hazardous Waste Management and the Division of Air Pollution Control (the RAPCA), in writing and within 30 days, of burning any used oil exceeding the limitations found in OAC rule 3745-279-11 and/or any incident or occurrence of non-compliance with any other applicable requirement of OAC Chapter 3745-279; and shall also notify the Ohio EPA Division of Air Pollution Control, within the same amount of time, if any oil is/was burned which exceeds the mercury limitation of 1 ppm and/or is documented as having a heating value of less than 135,000 Btu/gallon.
3. The permittee shall submit quarterly summaries that include a log or record of the downtime for the afterburner and/or monitoring equipment when the associated emissions unit was in operation.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation -
The PE shall not exceed 0.03 lb/hr.

Applicable Compliance Method -
Compliance shall be determined by adding the source manufacturers' supplied test data (0.023 lbs/hour while firing with natural gas) and the hourly emissions for waste oil combustion. The hourly emissions for combustion of waste oil is determined using the emission factor from Table 11.11-1 for atomizing burner, dated 10/96, multiplied by the maximum hourly fuel usage (24.44 gal/hour).

If required, the permittee shall demonstrate compliance with the hourly allowable PE limitation in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.
 - b. Emission Limitation -
The PE shall not exceed 0.14 TPY.

Applicable Compliance Method -
The annual PE limitation was determined by multiplying the hourly limitation by 8,760 hrs/yr, and then dividing by 2,000 lbs/ton. Therefore, as long as compliance with the hourly limitation is maintained, compliance with the annual limitation shall be ensured.

- c. Emission Limitation -
The NOx emissions shall not exceed 1.93 TPY.

Applicable Compliance Method -

When firing with used recycled oil or #2 fuel oil, compliance shall be determined by multiplying the maximum annual fuel usage (241,133 gal/year) by the emission factor (16 lb-NOx/100 gal) from Table 11.11-1 for combustion of waste oil for atomizing burner, dated 10/96, and then dividing by 2,000 lbs/ton.

When firing with natural gas, compliance with this limitation will be assumed since the annual emissions determination using the source manufacturers' supplied test data (0.41 lb-NOx/hour while firing with natural gas) is less than the annual emissions determined above when firing with waste oil, and the difference is negligible.

- d. Emission Limitation-
The visible PE shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method -

Compliance shall be determined by visible emissions evaluations performed in accordance with OAC rule 3475-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

F. Miscellaneous Requirements

None