State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL MODIFICATION **CERTIFIED MAIL**
BUTLER COUNTY

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: 14-04772

DATE: 1/28/2003

Reliance Electric Company
Mike Cummins
2175A Schlichter Drive
Hamilton, OH 45015

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

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,
Michael W. Ahern
Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: **USEPA** **HCDES**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 1/28/2003**
Terms and Conditions	**Effective Date: 1/28/2003**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 14-04772

Application Number:	14-04772
APS Premise Number:	1409040905
Permit Fee:	**$200**
Name of Facility:	Reliance Electric Company
Person to Contact:	Mike Cummins
Address:	2175A Schlichter Drive Hamilton, OH 45015

Location of proposed air contaminant source(s) [emissions unit(s)]:
2175A Schlichter Drive
Hamilton, **Ohio**

Description of proposed emissions unit(s):
Modify PTI 14-04772 to allow a higher per gallon VOC content in emissions unit K001 and K002.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

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 Related to Monitoring and Record keeping Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or record keeping 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 record keeping 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 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)

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 application must be made to the Director for the installation or modification of any other emissions unit(s).

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.

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

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or

modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

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

Pollutant	Tons Per Year
$PM\text{-}PM_{10}$	2.9
OC	7.65
SO_x	0.062
NO_x	1.31
CO	0.64

Emissions Unit ID: **K001**

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Miscellaneous metal parts dip tank w / bake ovens - modification	OAC rule 3745-31-05(A)(3)	28.8 lbs.VOC/Day, 5.3 TPY VOC See T&C A.2.2.a.
	OAC rule 3745-21-09(U)(1)(i)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The volatile organic compound (VOC) content, as applied, of each coating employed in this emissions unit shall not exceed 1.6 pounds of VOC per gallon of coating, excluding water and exempt solvents.

2.b Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of compliance coatings and emission limitations.

B. Operational Restrictions

1. The permittee shall employ good housekeeping and engineering practices when operating this emissions unit, including covering the dip tank when the dip tank is not in use.

2. The maximum daily coating usage for this emissions unit shall not exceed 18 gallons, excluding water and exempt solvents.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each day for emissions unit K001:

a. The name and identification number of each coating, employed.

b. The volume, in gallons, of each coating employed, excluding water and exempt solvents, as applied.

c. The VOC content of each coating, in pounds per gallon, excluding water and exempt solvents, as applied.

d. The total VOC emission rate for all coatings employed, in pounds per day (b x c).

2. The permittee shall collect and record the following information for the purpose of determining annual VOC emissions:

a. The volume, in gallons (excluding water and exempt solvents) of all coatings employed.

b. The total VOC emissions from all coatings employed, in pounds or tons.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing an exceedance of daily emissions limitations, daily usage limitation and/or VOC content limitation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.

2. The permittee shall also submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission limitations outlined in this permit shall be demonstrated by record keeping and reporting, and the emission factors, control efficiencies (if applicable), and the

operational parameters as submitted in PTI application 14-4772 submitted 06/14/99.

2. USEPA methods 24 and 24A shall be used to determine the VOC content for (a) coatings and (b) flexographic and rotogravure printing lines and related coatings, respectively. If, pursuant to 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating or ink, the permittee shall so notify the Administrator of the USEPA and shall use

formulation data for that coating or ink to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

3. Compliance with the usage limitation in term B.2 shall be demonstrated by the record keeping in term C.1.

F. Miscellaneous Requirements

1. The Terms and Conditions of this Modification to Permit To Install 14-4772 supercede the Terms and Conditions of Permit To Install 14-4772 issued November 10, 1999.

Emissions Unit ID: **K002**

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Miscellaneous metal parts spray booth- modification	OAC rule 3745-31-05(A)(3)	12.3 lbs. VOC / Day, coating only 2.24 TPY VOC
	OAC rule 3745-21-09(U)(2)(e)(ii)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The volatile organic compound (VOC) content, as applied of each coating employed in this emissions unit shall not exceed 5.6 pounds of VOC per gallon.

2.b Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the VOC content limits, limited coating usage and compliance with the Air Toxics Policy.

2.c The volatile organic compound (VOC) content, as applied of each cleanup material employed in this emissions unit shall not exceed 7.25 pounds of VOC per gallon.

B. Operational Restrictions

1. The maximum daily coating usage for this emissions unit shall not exceed 2.19 gallons.

C. Monitoring and/or Record keeping Requirements

1. This permittee shall collect and record the following information each day for emissions unit K002:

a. The name and identification number of each coating employed.

b. The volume, in gallons, of each coating employed.

c. The total volume, in gallons, of all coatings employed.

d. The VOC content of each coating, in pounds per gallon (as applied).

e. The total VOC emissions from coatings in pounds per day (b x d).

f. The name and identification number of each cleanup material employed.

g. The volume, in gallons, of each cleanup material employed.

h. The total volume, in gallons, of all cleanup materials employed.

i. The VOC content of each cleanup material , in pounds per gallon.

j. The total VOC emissions from cleanup materials in pounds per day (g x i).

k. The total VOC emissions from all coatings and cleanup materials in pounds per day (e + j).

2. The permit to install for this emissions unit K002 was evaluated based on the actual materials(typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model(or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Ground-Level Concentration (MAGLC).

The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: toluene
TLV (ug/m^3): 188,000
Maximum Hourly Emission Rate (lbs/hr): 3.08

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m^3): 1047
MAGLC (ug/m^3): 4476

Pollutant: xylene
TLV (ug/m^3): 434,000
Maximum Hourly Emission Rate (lbs/hr): 2.34
Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m^3): 860.6
MAGLC (ug/m^3): 10,330

Physical changes to or in the method of operation of the emissions unit after it's installation or modification could affect the parameters used to determine whether or not the "Air Toxics Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in the "Air Toxic Policy" include the following:

a. Changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. Changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. Physical changes to the emissions unit or its exhaust parameters (e.g., increased/decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied with the above changes, the Ohio EPA will not consider the change(s)to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is(are) defined as a modification under other provisions of the modification definition [other than (VV)(1)(a)(ii)], then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts

evaluations to determine that the changed emissions unit will satisfy the Air Toxic Policy:"

a. A description of the parameters changed(composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. Documentation of it's evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. When the computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any daily record showing that the coating line employs more than the applicable maximum daily coating usage limit, exceeded the VOC content limitation and/or daily VOC emissions limitation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after the exceedance occurs.

2. The permittee shall also submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. USEPA methods 24 and 24A shall be used to determine the VOC content for (a) coatings and (b) cleanup materials, respectively. If, pursuant to 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 or 24A cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24 or 24A.

2. Compliance with the usage and emission limitations outlined in this permit shall be demonstrated by record keeping and reporting, and the emission factors, control efficiencies (if applicable), and the operational parameters as submitted in PTI application 14-4772 submitted 06/14/99.

F. Miscellaneous Requirements

1. The Terms and Conditions of this Modification to Permit To Install 14-4772 supercede the Terms and Conditions of Permit To Install 14-4772 issued November 10, 1999.

Emissions Unit ID: **K002**

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Incinerator - small burnout oven w/afterburner	OAC rule 3745-31-05(A)(3)	2.4 lbs. PM-PM_{10}/Day 0.44 TPY PM-PM_{10} 0.10 lb. SO_2/Day 0.018 TPY SO_2 0.17 lb. OC/Day 0.031 TPY OC 1.94 lbs. NO_x/Day 0.36 TPY NO_x 0.96 lb. CO/Day 0.18 TPY CO The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-09, 3745-17-07(A) and 3745-23-06.
	OAC rule 3745-23-06	See OAC rule 3745-31-05(BAT)
	OAC rule 3745-17-09	0.1 lb. PM-PM_{10}/100 lbs. of salvageable material charged
	OAC rule 3745-17-07(A)	See T&C A.2.2.a.

2. Additional Terms and Conditions

2.a Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

2.b Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of an afterburner and the emissions limits.

B. Operational Restrictions

1. The average combustion temperature within the afterburner, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

2. The control efficiency of the afterburner shall be at least 97 percent.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the afterburner when the emissions unit is in operation. Units shall be 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.

2. The permittee shall collect and record the following information for each day:

a. All 3-hour blocks of time during which the average combustion temperature within the afterburner, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the afterburner does not comply with the temperature limitation specified above.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations outlined in this permit shall be demonstrated by stack test information from emissions unit N002, including emission factors and control efficiencies, and record keeping, and reporting.

2. Compliance with the visible particulate limitation shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Test Method 9.

F. Miscellaneous Requirements

1. The Terms and Conditions of this Modification to Permit To Install 14-4772 supercede the Terms and Conditions of Permit To Install 14-4772 issued November 10, 1999.

Emissions Unit ID: **N002**

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Incinerator - Large burnout oven w / afterburner	OAC rule 3745-31-05(A)(3)	13.5 lbs. PM-PM_{10}/day 2.46 TPY PM-PM_{10} 0.24 lb. SO_2/Day 0.044 TPY SO_2 0.46 lb. OC/Day 0.083 TPY OC 2.52 lbs. CO/Day 0.46 TPY CO 5.18 lbs. NO_x/Day 0.95 TPY NO_x The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-09, 3745-17-07(A) and 3745-23-06.
	OAC rule 3745-23-06	See OAC rule 3745-31-05(BAT)
	OAC rule 3745-17-09	0.1 lb. PM-PM_{10}/100 lbs of salvageable material charged
	OAC rule 3745-17-07(A)	See T&C A.2.2.a.

2. Additional Terms and Conditions

2.a Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

2.b Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of an afterburner and the emission limits.

B. Operational Restrictions

1. The average combustion temperature within the afterburner, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the after-burner when the emissions unit is in operation. Units shall be 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.

2. The permittee shall collect and record the following information for each day:

a. All 3-hour blocks of time during which the average combustion temperature within the afterburner, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the afterburner does not comply with the temperature limitation specified above.

E. Testing Requirements

1. Compliance with the emission limitations outlined in this permit shall be demonstrated by stack test information from emissions unit N002, including emission factors and control efficiencies,

record keeping, and reporting.

2. Compliance with the visible particulate limitation shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Test Method 9.

F. Miscellaneous Requirements

1. The Terms and Conditions of this Modification to Permit To Install 14-4772 supercede the Terms and Conditions of Permit To Install 14-4772 issued November 10, 1999.