State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
CUYAHOGA 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: 13-04063

DATE: 7/15/2003

Atlas Technical Finishes - Cleveland
Jim Sullivan
3340 West 1327th Street
Cleveland, OH 44111

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

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

CC: USEPA **CLAA**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 7/15/2003**
Terms and Conditions	**Effective Date: 7/15/2003**

FINAL PERMIT TO INSTALL 13-04063

Application Number:	13-04063
APS Premise Number:	1318007481
Permit Fee:	**$200**
Name of Facility:	Atlas Technical Finishes - Cleveland
Person to Contact:	Jim Sullivan
Address:	3340 West 1327th Street Cleveland, OH 44111

Location of proposed air contaminant source(s) [emissions unit(s)]:
3340 West 137th Street
Cleveland, **Ohio**

Description of proposed emissions unit(s):
Modification to electrodeposition dip tank and curing oven -- K002.

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 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 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.

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

Pollutant	Tons Per Year
VOC	17.3

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
K002 - Electrodeposition coating dip tank with no larger than a 5 mmBtu/hr natural gas curing oven, for metal stamping (parts).	OAC rule 3745-31-05(A)(3)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09 (U)(1)(i)
Terms in this permit supercede those identified in PTI 13-3943 issued 11/5/02.		VOC emissions shall not exceed 95 pounds per day.
		VOC emissions shall not exceed 17.3 tons per year
	OAC rule 3745-21-09(U)(1)(i)	3.0 pound VOC per gallon of coating, excluding water and exempt solvents

2. Additional Terms and Conditions

2.a None.

B. Operational Restrictions

None.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each day for the electrodeposition coating tank (EDP-coat dip tank):

   a. the name and identification of each coating, solvent, or other material added to the EDP-coat dip tank or employed in this emissions unit;

   b. the volume, in gallons, of each coating, solvent, or other material added to the EDP-coat

dip tank or employed in this emissions unit;

c. the VOC content of each coating, solvent, or other material added to the EDP-coat dip tank or employed in this emissions unit, as applied, in pounds per gallon;

d. the VOC content of each coating, solvent, or other material added to the EDP-coat dip tank or employed in this emissions unit, excluding water and exempt solvents, as applied, in pounds per gallon; and

e. the total VOC emissions from all coatings, solvents, or other materials added to the EDP-coat dip tank or employed in this emissions unit [summation of (b x c) for all materials, in pounds per day.

f. the density of each coating, solvent or other material added to the EDP-coat dip tank in pounds per gallon of coating, (D_C).

g. the weight fraction of W_{VOC} of VOC in a coating, solvent or other material added to the EDP-coat dip tank.

h. the volume fraction of V_{Voc} of VOC in coating, solvent or other material added to the EDP-coat dip tank.

i. the volume fraction of solids (nonvolatile matter) in coating, solvents and material added in gallon of solids per gallon of coating, solvents and material, (V_S).

j. the volume fraction of volatile matter in coating, solvents and material added in gallon of volatile matter per gallon of coating, solvents or other material added, (V_{VM}).

k. the volume fraction of water in coating, solvent or other material added in gallon of water per gallon coating, solvent, or other material added, (V_W).

l. the weight fraction of volatile matter in coating, solvent or other material added in pound of volatile matter per pound of coating, solvents or other material added, (W_{VM}).

m. the weight fraction of water in coating, solvents or other material added in pound of water per pound of coating, solvents or other material added, (W_W).

n. the volume fraction of exempt solvent in a coating, in gallon of exempt solvent per gallon of coating, solvents, or other material added, (V_{ES}).

o. the weight fraction of exempt solvent in a coating, solvents or other material added in pound of exempt solvent per pound of coating, solvents, or other material added, (W_{ES}).

D. Reporting Requirements

1. The permittee shall notify the Cleveland Division of Air Quality in writing of any daily record showing the use of non-complying coatings. The notification shall include a copy of such record and shall be sent to the Cleveland Division of Air Quality within 45 days after the exceedance.

2. The permittee shall submit deviation (excursion) reports which identify each day where the daily VOC emission rate exceeded 95 pounds per day for this emissions unit. The notification shall include a copy of such record and shall be sent to the Cleveland Division of Air Quality within 30 days after the exceedance occurs.

3. The permittee shall submit annual reports, to the Cleveland Division of Air Quality, which specify the annual VOC emissions from coatings, solvents, and/or any VOC-containing materials applied in this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calender year.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

a. <u>Emission Limitation:</u>

VOC emissions shall not exceed 17.3 tons per year.

<u>Applicable Compliance Method:</u>

Compliance shall be determined by summing the daily VOC emissions in Section C.1 annually.

b. <u>Emission Limitation:</u>

VOC emissions shall not exceed 95 pounds per day.

<u>Applicable Compliance Method:</u>

Compliance shall be determined by multiplying the daily coating usage (gallons/day) by the

corresponding VOC content of all coatings, solvents, or VOC-containing materials employed in this emissions unit. Compliance shall be based upon the record keeping specified in Section C.1.

c. Emission Limitation:

3.0 pound VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance with this VOC limit for the E-coat dip tank shall be determined in accordance with OAC rule 3745-21-10(B)(9) for Cvoc,2 through the daily recordkeeping as specified in Section C.1. and calculated in accordance with the equation specified in OAC rule 3745-21-10(B)(9) for Cvoc,2. Formulation data or US EPA Method 24, from 40 CFR Part 60 Appendix A, shall be used to determine the volatile organic compound contents of the coatings, solvents, and materials added to the tank. If required, US EPA Method 24 may be used to determine the VOC and water contents of the EDP-coat mix in the electrodeposition dip tank.

The daily volume-weighted average of all the materials added to the dip tank shall be calculated using the following equation:

$(C_{VOC,2})A=$
summation(i=1 to n)[$C_{VOC,2i}$ L_{Ci} (V_{Si}+V_{VOCi})]/summation (i=1 to n)[L_{Ci} (V_{Si} + V_{VOCi})]

where:

$(C_{VOC,2}) = (D_C)\ (W_{VOC})/(V_S + V_{VOC})$

$V_{VOC} = V_{VM}-V_W-V_{ES}$

$W_{VOC} = W_{VM}-W_W-W_{ES}$

i=subscript denoting a specific coating employed during time period t.

Lc = liquid volume of coating employed during time period t, in gallons of coating.

D_C = density of coating, in pounds of coating per gallon of coating.

V_S = volume fraction of solids (nonvolatile matter) in coating, in gallon of solids per gallon of coating.

V_{ES}=volume fraction of exempt solvent in coating, in gallon of exempt solvent per gallon of coating.

W_{ES}=weight fraction of exempt solvent in coating, in pound of exempt solvent per pound

of coating.

V_W=volume fraction of water in coating, in gallon of water per gallon of coating.

W_W=weight fraction of water in coating, in pound of water per pound of coating.

V_{VM}=volume fraction of volatile matter in coating, in gallon of volatile matter per gallon of coating.

W_{VM}=weight fraction of volatile matter in coating, in pound of volatile matter per pound of coating. If this weight fraction is determined by "ASTM D 2369-81, Standard Test Method for Volatile Content of Coatings," the drying conditions shall be one hundred ten degrees Celsius for one hour, except where otherwise authorized by the director based on an alternate analytical procedure that is satisfactorily demonstrated to the director by the coating manufacturer to be more representative of the actual cure mechanism of the coating.

F. Miscellaneous Requirements

1. Terms in this permit supercede those identified in PTI 13-03943 issued 11/5/02.