



State of Ohio Environmental Protection Agency

Street Address:

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

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

Mailing Address:

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

**RE: FINAL PERMIT TO INSTALL
MARION COUNTY
Application No: 03-13934**

CERTIFIED MAIL

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

DATE: 5/1/2003

Todco Division Overhead Door Corporation
Robert Berry
1925 Fairground Road East
Marion, OH 43302

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
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

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

cc: USEPA

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 5/1/2003
Effective Date: 5/1/2003**

FINAL PERMIT TO INSTALL 03-13934

Application Number: 03-13934

APS Premise Number: 0351010147

Permit Fee: **\$400**

Name of Facility: Todco Division Overhead Door Corporation

Person to Contact: Robert Berry

Address: 1925 Fairground Road East
Marion, OH 43302

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

**1295 Fairground Road East
Marion, Ohio**

Description of proposed emissions unit(s):

Paint booths with drying ovens.

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**

<u>Pollutant</u>	<u>Tons Per Year</u>
Organic Compounds (OC)	95.46
Individual Hazardous Air Pollutions (HAPs)	< 10
Combined HAPs	<25

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>
K003 - Paint booth #1 with drying ovens and dry filtration system (Modification of PTI #03-10991 issued on April 8, 1988 to include federally enforceable limits and correct rule citations)	OAC rule 3745-31-05(A)(3)	26.25 lbs organic compound (OC)/hr from coating operations (See A.2.a)
		955 lbs OC/month and 5.73 tons OC/yr from solvent wipe/cleanup operations (See B.1)
		See A.2.b
	OAC rule 3745-31-05(D)	42.00 tons of OC per rolling, 12-month period (See A.2.c.i and B.2-B.3)
		Annual HAP emissions resulting from the use of coatings and solvent wipe/cleanup materials in emissions units K003 and K004 combined shall not exceed 10 tons per rolling 12-month period for any individual HAP or 25 tons per rolling 12-month period for any combination of HAPs. (See A.2.c.ii.)
	OAC rule 3745-21-07(G)(2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.2.d)
	OAC rule 3745-21-09(U)(1)(d)	3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, for coatings dried at

temperatures not exceeding 200 degrees Fahrenheit (See A.2.e)

2. Additional Terms and Conditions

2.a This emissions unit is subject to 26.25 lbs organic compound (OC)/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.2.d.

2.b The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(d), OAC rule 3745-21-07(G)(2) and OAC rule 3745-31-05(D).

2.c The permittee has requested the following federally enforceable emission limitations for purposes of avoiding Title V applicability:

- i. 42.00 tons OC per rolling 12-month period based on coating content and usage restrictions. (See B.2 and B.3)

For purposes of federal enforceability limitations on OC's effectively limit emissions of VOCs.

- ii. Annual HAP emissions resulting from the use of coatings and solvent wipe/cleanup materials in emissions units K003 and K004 combined shall not exceed 10 tons per rolling 12-month period for any individual HAP or 25 tons per rolling 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	0.83	2.08
1-2	1.66	4.16
1-3	2.49	6.24
1-4	3.32	8.32
1-5	4.15	10.40
1-6	4.98	12.48

1-7	5.81	14.56
1-8	6.64	16.64
1-9	7.47	18.72
1-10	8.30	20.80
1-11	9.13	22.88
1-12	<10.00	<25.00

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

- 2.d** This emissions unit becomes subject to OAC rule 3745-21-07(G)(2) for each day when any photochemically reactive material is applied to any non-metal substrate. On any such day, all emissions from both the application of photochemically reactive and non-photochemically reactive materials (coatings) on non-metal substrates is applicable to the requirement that OC emissions shall not exceed 8 pounds per hour and 40 pounds per day.
- 2.e** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.

B. Operational Restrictions

1. The use of photochemically reactive material for solvent wipe/cleanup operations in this emissions unit is prohibited. Photochemically reactive material is defined in OAC rule 3745-21-01(C)(5).
2. The OC content of any coating employed in this emissions unit shall not exceed 3.50 lbs per gallon, as applied.
3. The maximum annual coating usage rate for this emissions unit shall not exceed 24,000 gallons, based upon a rolling, 12-month summation of the monthly coating usage rates. The permittee has existing coating usage rate records therefore the establishment of coating usage rates for the first 12 months of operation following the issuance of this permit are not necessary to ensure federal enforceability.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each coating employed is a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5);

2. On any day when any photochemically reactive material is applied to any non-metal substrate, the permittee shall collect and record the following information for this emissions unit for such day:
 - a. the company name and identification for each coating employed on a non-metal substrate;
 - b. the number of gallons of each coating applied on a non-metal substrate;
 - c. the organic compound content of each coating, in pounds/gallon, as applied on any non-metal substrate;
 - d. the total organic compound emission rate for all coatings applied on a non-metal substrate, in pounds per day (summation of C.2.c);
 - e. the total number of hours the emissions unit was involved in the operation of coating of non-metal substrates;
 - f. the average hourly organic compound emission rate involving the operation of coating non-metal substrates (C.2.d/C.2.e.), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of “photochemically reactive” and “nonphotochemically reactive” are based upon OAC rule 3745-21-01(C)(5).]

3. The permittee shall collect and record the following information when any coating is applied to a metal substrate:
 - a. the company name and identification for each coating employed on a metal substrate;
 - b. the VOC content of each coating (excluding water and exempt solvents), in pounds per gallon, employed on any metal substrate. The VOC content excluding water and exempt solvents shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for $C_{VOC,2}$.
4. In conjunction with the coating information required above, the permittee shall collect and record the following information each month for all coatings employed in this emissions unit:
 - a. the name and identification number of each coating employed;
 - b. the OC content of each coating, as applied, in pounds per gallon;
 - c. the number of gallons of each coating employed;
 - d. the total number of gallons of all coatings employed (summation of C.4.c);

- e. the annual coating usage for all coatings employed, based upon a rolling 12-month summation of the monthly usage rates;
 - f. the OC emission rate for each coating (C.4.b x C.4.c);
 - g. the total OC emission rate for all coatings (summation of C.4.f), in pounds or tons;
 - h. the annual OC emissions from all coatings, based upon a rolling 12-month summation of the monthly OC emissions.
5. The permittee shall collect and record the following each month for solvent wipe/cleanup operations:
- a. the name and identification of each solvent wipe/cleanup material employed;
 - b. documentation as to whether or not each solvent wipe/cleanup material employed is a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5);
 - c. the OC content of each solvent wipe/cleanup material employed, in pounds per gallon;
 - d. the number of gallons of each solvent wipe/cleanup material employed;
 - e. the OC emissions from each solvent wipe/cleanup material employed (C.5.c x C.5.d);
 - f. the total OC emissions from all solvent wipe/cleanup materials employed (summation of C.5.e), in pounds or tons;
 - g. the annual year to date OC emissions from solvent wipe/cleanup operations, in tons per year (summation of C.5.f for each calendar month to date from January to December).

The company may calculate OC emissions from solvent wipe/cleanup operations in accordance with the following formula if waste solvent wipe/cleanup materials are sent off-site for reclamation/disposal:

OC emissions from solvent wipe/cleanup operations = (total gallons of solvent wipe/cleanup material used x solvent density of solvent wipe/cleanup material) - (total gallons solvent wipe/cleanup material sent off-site for disposal or reclamation [minus solids content of said material]) x solvent density.

6. The permittee shall collect and record the following HAP information each month for emission units K003 and K004 combined:
- a. the company identification of each coating and solvent wipe/cleanup material employed;

- b. the amount of each individual HAP in each coating and solvent wipe/ cleanup material, in lbs/gallon, as applied;
- c. the number of gallons of each coating and solvent wipe/ cleanup material employed;
- d. the emission rate for each individual HAP from each coating and solvent wipe/ cleanup material employed (C.6.b x C.6.c) for each individual HAP, in lbs/month;
- e. the total emission rate for each individual HAP from all coatings and solvent wipe/ cleanup materials employed (summation of C.5.d for each individual HAP), in lbs/month;
- f. the total HAP emission rate for all HAPs combined from all coatings and solvent wipe/cleanup materials employed (summation of C.5.e for all HAPs), in lbs/month;
- g. for the first 12 months of operation, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons per month; and
- h. after the first 12 months of operation, the annual emissions of each individual HAP and all HAPs combined, based upon a rolling 12-month summation of monthly emissions.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

7. The Permit to Install for this emissions unit 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 ISC-AEROMOD PRIME (version 4.60) model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the ISC-AEROMOD PRIME (version 4.60) model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Methyl N-Amyl Ketone

TLV (ug/m3): 233,497

Maximum Hourly Emission Rate (lbs/hr): 8.70 (point + fugitive combined for K003-K004)

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1968.07

MAGLC (ug/m3): 5559

8. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic 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 applying 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 for 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.

9. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still 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 its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
 - c. where 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 Northwest District Office in writing of any monthly record showing the use of noncomplying coatings (coating that exceeds the 3.50 lbs of VOC/gallon excluding water and exempt solvents) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days following the end of the calendar month.

2. The permittee shall submit deviation (excursion) reports which identify any exceedances of the following:
 - a. for the days during which a photochemically reactive material was applied to a non-metal substrate, an identification of each day during which the average hourly organic compound emissions as calculated by term and condition C.2.f exceeded 8 pounds per hour.
 - b. for the days during which a photochemically reactive material was applied to a non-metal substrate, an identification of each day during which the average hourly organic compound emissions as calculated by term and condition C.2.d exceeded 40 pounds per day.
 - c. any exceedances of the 42.00 tons OC per rolling 12-month period as specified in section A.2.c.i.
 - d. any exceedances of the maximum annual coating usage rate not to exceed 24,000 gallons, based upon a rolling, 12-month summation of the monthly coating usage rates.
 - e. any exceedances of the OC content of any coating employed not to exceed 3.50 lbs per gallon, as applied.
 - f. any exceedances of the rolling individual HAP and combined HAPs emission limitations specified in section A.2.c.ii.,
 - g. for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.2.c.ii.
 - h. any exceedances of the 955 lbs OC/month from solvent wipe/cleanup operations.

These reports shall be submitted in accordance with the general terms and conditions of this permit.

3. The permittee shall submit annual deviation (excursion) reports which identify any exceedances of the 5.73 tons OC/yr from solvent wipe/cleanup operations. If no deviations occurred during a calendar year, the permittee shall submit an annual report which states that no deviations occurred. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
4. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of photochemically reactive material for solvent wipe/cleanup operations in this emissions unit. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days following the end of the calendar month.

E. Testing Requirements

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

- a. Emission Limitation: 26.25 lbs OC/hr from coating operations

Applicable Compliance Method: The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

- * The potential to emit is based on a worst-case coating operation involving a maximum coating usage rate of 7.5 gallons per hour and a maximum OC content of 3.50 pounds per gallon.

- b. Emission Limitation: 955 lbs OC/month from solvent wipe/cleanup operations

Applicable Compliance Method: Compliance with the above emission limitation shall be based upon the record keeping requirements specified in section C.5.

- c. Emission Limitation: 5.73 TPY VOC from solvent wipe/cleanup operations

Applicable Compliance Method: Compliance with the above emission limitation shall be based upon the record keeping requirements specified in section C.5.

- d. Emission Limitation: OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.2.d)

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.2.

- e. Emission Limitation: 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit (See A.2.e)

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.3. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

- f. Emission Limitation: 42.00 tons of OC per rolling, 12-month period

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.4.

- g. Emission Limitation: Annual HAP emissions resulting from the use of coatings and solvent wipe/cleanup materials in emissions units K003 and K004 combined shall not exceed 10 tons per rolling 12-month period for any individual HAP or 25 tons per rolling 12-month period for any combination of HAPs. (See A.2.c.ii)

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.6.

- h. Emission Limitation: The OC content of any coating employed in this emissions unit shall not exceed 3.50 lbs per gallon, as applied.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.4.b.

- i. Emission Limitation: The maximum annual coating usage rate for this emissions unit shall not exceed 24,000 gallons, based upon a rolling, 12-month summation of the monthly coating usage rates.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.4.e.

F. Miscellaneous Requirements

None

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>
K004 - Paint booth #2 with drying ovens and a dry filtration system (Modification of PTI #03-10991 issued on April 8, 1988 to include federally enforceable limits and correct rule citations)	OAC rule 3745-31-05(A)(3)	26.25 lbs organic compound (OC)/hr from coating operations (See A.2.a) 955 lbs OC/month and 5.73 tons OC/yr from solvent wipe/cleanup operations (See B.1) See A.2.b
	OAC rule 3745-31-05(D)	42.00 tons of OC per rolling, 12-month period (See A.2.c.i and B.2-B.3) Annual HAP emissions resulting from the use of coatings and solvent wipe/cleanup materials in emissions units K003 and K004 combined shall not exceed 10 tons per rolling 12-month period for any individual HAP or 25 tons per rolling 12-month period for any combination of HAPs. (See A.2.c.ii.)
	OAC rule 3745-21-07(G)(2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.2.d)
	OAC rule 3745-21-09(U)(1)(d)	3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, for coatings dried at

temperatures not exceeding 200 degrees Fahrenheit (See A.2.e)

2. Additional Terms and Conditions

2.a This emissions unit is subject to 26.25 lbs organic compound (OC)/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.2.d.

2.b The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(d), OAC rule 3745-21-07(G)(2) and OAC rule 3745-31-05(D).

2.c The permittee has requested the following federally enforceable emission limitations for purposes of avoiding Title V applicability:

- i. 42.00 tons OC per rolling 12-month period based on coating content and usage restrictions. (See B.2 and B.3)

For purposes of federal enforceability limitations on OC's effectively limit emissions of VOCs.

- ii. Annual HAP emissions resulting from the use of coatings and solvent wipe/cleanup materials in emissions units K003 and K004 combined shall not exceed 10 tons per rolling 12-month period for any individual HAP or 25 tons per rolling 12-month period for any combination of HAPs.

To ensure federal enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the HAP emission rates specified in the following table:

Maximum Allowable Cumulative HAP Emission Rates (tons):

<u>Month(s)</u>	<u>Individual HAP</u>	<u>Combined HAPs</u>
1-1	0.83	2.08
1-2	1.66	4.16
1-3	2.49	6.24
1-4	3.32	8.32
1-5	4.15	10.40
1-6	4.98	12.48

1-7	5.81	14.56
1-8	6.64	16.64
1-9	7.47	18.72
1-10	8.30	20.80
1-11	9.13	22.88
1-12	<10.00	<25.00

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual HAP limitations shall be based upon a rolling, 12-month summation of the monthly emission rates.

- 2.d** This emissions unit becomes subject to OAC rule 3745-21-07(G)(2) for each day when any photochemically reactive material is applied to any non-metal substrate. On any such day, all emissions from both the application of photochemically reactive and non-photochemically reactive materials (coatings) on non-metal substrates is applicable to the requirement that OC emissions shall not exceed 8 pounds per hour and 40 pounds per day.
- 2.e** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.

B. Operational Restrictions

1. The use of photochemically reactive material for solvent wipe/cleanup operations in this emissions unit is prohibited. Photochemically reactive material is defined in OAC rule 3745-21-01(C)(5).
2. The OC content of any coating employed in this emissions unit shall not exceed 3.50 lbs per gallon, as applied.
3. The maximum annual coating usage rate for this emissions unit shall not exceed 24,000 gallons, based upon a rolling, 12-month summation of the monthly coating usage rates. The permittee has existing coating usage rate records therefore the establishment of coating usage rates for the first 12 months of operation following the issuance of this permit are not necessary to ensure federal enforceability.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each coating employed is a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5);

2. On any day when any photochemically reactive material is applied to any non-metal substrate, the permittee shall collect and record the following information for this emissions unit for such day:
 - a. the company name and identification for each coating employed on a non-metal substrate;
 - b. the number of gallons of each coating applied on a non-metal substrate;
 - c. the organic compound content of each coating, in pounds/gallon, as applied on any non-metal substrate;
 - d. the total organic compound emission rate for all coatings applied on a non-metal substrate, in pounds per day (summation of C.2.c);
 - e. the total number of hours the emissions unit was involved in the operation of coating of non-metal substrates;
 - f. the average hourly organic compound emission rate involving the operation of coating non-metal substrates (C.2.d/C.2.e.), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of “photochemically reactive” and “nonphotochemically reactive” are based upon OAC rule 3745-21-01(C)(5).]

3. The permittee shall collect and record the following information when any coating is applied to a metal substrate:
 - a. the company name and identification for each coating employed on a metal substrate;
 - b. the VOC content of each coating (excluding water and exempt solvents), in pounds per gallon, employed on any metal substrate. The VOC content excluding water and exempt solvents shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for $C_{VOC,2}$.
4. In conjunction with the coating information required above, the permittee shall collect and record the following information each month for all coatings employed in this emissions unit:
 - a. the name and identification number of each coating employed;
 - b. the OC content of each coating, as applied, in pounds per gallon;
 - c. the number of gallons of each coating employed;

- d. the total number of gallons of all coatings employed (summation of C.4.c);
 - e. the annual coating usage for all coatings employed, based upon a rolling 12-month summation of the monthly usage rates;
 - f. the OC emission rate for each coating (C.4.b x C.4.c);
 - g. the total OC emission rate for all coatings (summation of C.4.f), in pounds or tons;
 - h. the annual OC emissions from all coatings, based upon a rolling 12-month summation of the monthly OC emissions.
5. The permittee shall collect and record the following each month for solvent wipe/cleanup operations:
- a. the name and identification of each solvent wipe/cleanup material employed;
 - b. documentation as to whether or not each solvent wipe/cleanup material employed is a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5);
 - c. the OC content of each solvent wipe/cleanup material employed, in pounds per gallon;
 - d. the number of gallons of each solvent wipe/cleanup material employed;
 - e. the OC emissions from each solvent wipe/cleanup material employed (C.5.c x C.5.d);
 - f. the total OC emissions from all solvent wipe/cleanup materials employed (summation of C.5.e), in pounds or tons;
 - g. the annual year to date OC emissions from solvent wipe/cleanup operations, in tons per year (summation of C.5.f for each calendar month to date from January to December).

The company may calculate OC emissions from solvent wipe/cleanup operations in accordance with the following formula if waste solvent wipe/cleanup materials are sent off-site for reclamation/disposal:

OC emissions from solvent wipe/cleanup operations = (total gallons of solvent wipe/cleanup material used x solvent density of solvent wipe/cleanup material) - (total gallons solvent wipe/cleanup material sent off-site for disposal or reclamation [minus solids content of said material]) x solvent density.

6. The permittee shall collect and record the following HAP information each month for emission units K003 and K004 combined:

- a. the company identification of each coating and solvent wipe/cleanup material employed;
- b. the amount of each individual HAP in each coating and solvent wipe/ cleanup material, in lbs/gallon, as applied;
- c. the number of gallons of each coating and solvent wipe/ cleanup material employed;
- d. the emission rate for each individual HAP from each coating and solvent wipe/ cleanup material employed (C.6.b x C.6.c) for each individual HAP, in lbs/month;
- e. the total emission rate for each individual HAP from all coatings and solvent wipe/ cleanup materials employed (summation of C.5.d for each individual HAP), in lbs/month;
- f. the total HAP emission rate for all HAPs combined from all coatings and solvent wipe/cleanup materials employed (summation of C.5.e for all HAPs), in lbs/month;
- g. for the first 12 months of operation, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons per month; and
- h. after the first 12 months of operation, the annual emissions of each individual HAP and all HAPs combined, based upon a rolling 12-month summation of monthly emissions.

Note: The information required above must be recorded for the materials as applied, including any thinning solvents added at the emissions unit.

7. The Permit to Install for this emissions unit 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 ISC-AEROMOD PRIME (version 4.60) model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the ISC-AEROMOD PRIME (version 4.60) model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Methyl N-Amyl Ketone

TLV (ug/m3): 233,497

Maximum Hourly Emission Rate (lbs/hr): 8.70 (point + fugitive combined for K003-K004)

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1968.07

MAGLC (ug/m3): 5559

8. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic 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 applying 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 for 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.

9. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still 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 its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
 - c. where 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 Northwest District Office in writing of any monthly record showing the use of noncomplying coatings (coating that exceeds the 3.50 lbs of VOC/gallon excluding water and exempt solvents) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days following the end of the calendar month.

2. The permittee shall submit deviation (excursion) reports which identify any exceedances of the following:
 - a. for the days during which a photochemically reactive material was applied to a non-metal substrate, an identification of each day during which the average hourly organic compound emissions as calculated by term and condition C.2.f exceeded 8 pounds per hour.
 - b. for the days during which a photochemically reactive material was applied to a non-metal substrate, an identification of each day during which the average hourly organic compound emissions as calculated by term and condition C.2.d exceeded 40 pounds per day.
 - c. any exceedances of the 42.00 tons OC per rolling 12-month period as specified in section A.2.c.i.
 - d. any exceedances of the maximum annual coating usage rate not to exceed 24,000 gallons, based upon a rolling, 12-month summation of the monthly coating usage rates.
 - e. any exceedances of the OC content of any coating employed not to exceed 3.50 lbs per gallon, as applied.
 - f. any exceedances of the rolling individual HAP and combined HAPs emission limitations specified in section A.2.c.ii.,
 - g. for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations specified in section A.2.c.ii.
 - h. any exceedances of the 955 lbs OC/month from solvent wipe/cleanup operations.

These reports shall be submitted in accordance with the general terms and conditions of this permit.

3. The permittee shall submit annual deviation (excursion) reports which identify any exceedances of the 5.73 tons OC/yr from solvent wipe/cleanup operations. If no deviations occurred during a calendar year, the permittee shall submit an annual report which states that no deviations occurred. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
4. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of photochemically reactive material for solvent wipe/cleanup operations in this emissions unit. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days following the end of the calendar month.

E. Testing Requirements

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

- a. Emission Limitation: 26.25 lbs OC/hr from coating operations

Applicable Compliance Method: The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

* The potential to emit is based on a worst-case coating operation involving a maximum coating usage rate of 7.5 gallons per hour and a maximum OC content of 3.50 pounds per gallon.

- b. Emission Limitation: 955 lbs OC/month from solvent wipe/cleanup operations

Applicable Compliance Method: Compliance with the above emission limitation shall be based upon the record keeping requirements specified in section C.5.

- c. Emission Limitation: 5.73 TPY VOC from solvent wipe/cleanup operations

Applicable Compliance Method: Compliance with the above emission limitation shall be based upon the record keeping requirements specified in section C.5.

- d. Emission Limitation: OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.2.d)

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.2.

- e. Emission Limitation: 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit (See A.2.e)

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.3. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

- f. Emission Limitation: 42.00 tons of OC per rolling, 12-month period

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.4.

- g. Emission Limitation: Annual HAP emissions resulting from the use of coatings and solvent wipe/cleanup materials in emissions units K003 and K004 combined shall not

exceed 10 tons per rolling 12-month period for any individual HAP or 25 tons per rolling 12-month period for any combination of HAPs. (See A.2.c.ii)

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.6.

- h. Emission Limitation: The OC content of any coating employed in this emissions unit shall not exceed 3.50 lbs per gallon, as applied.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.4.b.

- i. Emission Limitation: The maximum annual coating usage rate for this emissions unit shall not exceed 24,000 gallons, based upon a rolling, 12-month summation of the monthly coating usage rates.

Applicable Compliance Method: Compliance shall be based upon the record keeping requirements in section C.4.e.

F. Miscellaneous Requirements

None