



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
50 West Town Street, Suite 700
Columbus, OH 43215

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

Mailing Address:

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

CERTIFIED MAIL

RE: DRAFT PERMIT TO INSTALL

WILLIAMS COUNTY

Application No: 03-17378

Fac ID: 0386000027

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

DATE: 2/5/2008

Deco Plas, Inc.
Keith Alcini
700 Randolph Street
Montpelier, OH 43543

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43216-1049.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$2400** will be due. Please do not submit any payment now.

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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Sincerely,

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

CC: USEPA

NWDO

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WILLIAMS COUNTY

PUBLIC NOTICE
ISSUANCE OF DRAFT PERMIT TO INSTALL **03-17378** FOR AN AIR CONTAMINANT SOURCE
FOR **Deco Plas, Inc.**

On 2/5/2008 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Deco Plas, Inc.**, located at **700 Randolph Street, Montpelier, Ohio.**

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 03-17378:

Modification to adjust emissions rates to multiple paint booths.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Don Waltermeyer, Ohio EPA, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402 [(419)352-8461]



**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 03-17378

Application Number: 03-17378
Facility ID: 0386000027
Permit Fee: **To be entered upon final issuance**
Name of Facility: Deco Plas, Inc.
Person to Contact: Keith Alcini
Address: 700 Randolph Street
Montpelier, OH 43543

Location of proposed air contaminant source(s) [emissions unit(s)]:
**700 Randolph Street
Montpelier, Ohio**

Description of proposed emissions unit(s):
Modification to adjust emissions rates to multiple paint booths.

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

Chris Korleski
Director

Part I - GENERAL TERMS AND CONDITIONS

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

1. Monitoring and Related Recordkeeping and Reporting Requirements

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

reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
 - iv. If this permit is for an emissions unit located at a Title V facility, then each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- d. The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable

permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
- ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit-To-Operate Application

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete 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 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 ninety (90) days after commencing operation of the source(s) covered by this permit.

11. 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.

12. 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.

13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in this permit.

B. State Only Enforceable Permit-To-Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit 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 of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. Authorization To Install or Modify

If applicable, authorization to install or modify any new or existing emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit 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.

5. Construction of New Sources(s)

This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. 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 this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit 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.

6. 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.

7. 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).

8. Construction Compliance Certification

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) 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.

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

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

Deco Plas, Inc.

PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

C. Permit-To-Install Summary of Allowable Emissions

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

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

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC	240
OC	8.19
PE	9.56

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

1. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subpart MMMM, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Miscellaneous Metal Parts and Products: K028 through K032, K001, K034, K040, K041, K043, K044, and K039. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Ohio EPA, Northwest District Office.
2. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subpart PPPP, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Plastic Parts and Products: K028 through K032, K001, K034, K040, K041, K043, K044, and K039. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Ohio EPA, Northwest District Office.

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

- 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 - (K001) - A-line paint booth 6 with dry filtration . Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	61.47 lbs volatile organic compounds (VOC)/hr from coating operations (See A.I.2.h) 163.43 lbs organic compounds (OC)/month from cleanup operations 8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.a and A.II.2.
OAC rule 3745-31-05 (C)	240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.b, A.I.2.c, A.II.1., & A.II.2.
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.I.2.g)
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
OAC rule 3745-17-11 (B) (2)	4.80 lbs particulate emissions (PE)/hr See A.I.2.e
OAC rule 3745-17-07 (A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except, as provided by rule

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart MMMM	See A.I.2.i See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS
40 CFR Part 63, Subpart PPPP	66.4490 0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.i) See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (A.II.1. & A.II.2.).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of dry filtration system with a minimum control efficiency of 99% for particulate emissions.

The potential to emit for this emissions unit is 1.14 tons PE per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.

- 2.e** The potential to emit for this emissions unit is less than the allowable emission limitation (See A.I.2.c).
- 2.f** The hourly VOC emission limitation represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- 2.g** 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.h** This emissions unit is subject to 61.47 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.I.2.g.
- 2.i** This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.j** The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:
- 63.4500 and 63.4501

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i)] \div 2000 \text{ lbs/ton} \leq 240$$

where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

Deco Plas, Inc.

PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K001

G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i)(G_i)}{2000}$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating material shall be based upon a rolling, 12-month summation.

- The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
- The permittee shall operate the dry filtration system whenever the emission unit is in operation.

4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.2.b. x A.III.2.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.2.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons; and
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K001:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate, in pounds, for each cleanup material employed (A.III.3.b. x A.III.3.c.); and
 - e. the total OC emissions rate from all cleanup materials employed (summation of A.III.3.d.), in pounds or tons.

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

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

4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
5. 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; and
 - 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 $C_{VOC,2}$
6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;

- b. the OC content of each cleanup material employed, in pounds per gallon;
- c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
- d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
- e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

7. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.
8. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4530, 63.4531, and 63.4568

IV. Reporting Requirements

1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;

- b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;
 - c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
61.47 lbs VOC/hr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no recordkeeping, 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 9.5 gallons per hour and a maximum VOC content of 6.47 lbs/gallon.

If required, the permittee shall demonstrate compliance with the hourly allowable VOC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation:

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Facility ID: 0386000027

Emissions Unit ID: K001

240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

- c. Emission Limitation:
3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.
- Applicable Compliance Method:
Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.
- d. Emission Limitation:
4.80 lbs PE/hr
- Applicable Compliance Method:
The potential to emit for this emissions unit is less than the allowable emissions limitation. The following calculation of the potential to emit shall demonstrate compliance:
- The potential to emit for this emissions unit is 1.14 tons per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.
- If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).
- e. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except as provided by rule
- Applicable Compliance Method:
If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).
- f. Emission Limitation:
163.43 lbs OC/month from cleanup operations
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.3. of this permit.
- g. Emission Limitation:
8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

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PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K001

h. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K001) - A-line paint booth 6. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Deco Plas, Inc.

PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K028

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment -(K028) - A-line paint booth 1 with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	61.47 lbs volatile organic compounds (VOC)/hr from coating operations (See A.I.2.h) 163.43 lbs organic compounds (OC)/month from cleanup operations 8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.a and A.II.2.
OAC rule 3745-31-05 (C)	240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.b, A.I.2.c, A.II.1., & A.II.2.
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.I.2.g)
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
OAC rule 3745-17-11 (B) (2)	4.80 lbs particulate emissions (PE)/hr See A.I.2.e
OAC rule 3745-17-07 (A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except, as provided by rule

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PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K028

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart MMMM	See A.I.2.i. See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS
40 CFR Part 63, Subpart PPPP	66.4490 0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.i) See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (See A.II.1. and A.II.2.).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of dry filtration system with a minimum control efficiency of 99% for particulate emissions.

The potential to emit for this emissions unit is 1.14 tons PE per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.

- 2.e** The potential to emit for this emissions unit is less than the allowable emission limitation (See A.I.2.c).
- 2.f** The hourly VOC emission limitation represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- 2.g** 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.h** This emissions unit is subject to 61.47 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.I.2.g.
- 2.i** This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.j** The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4500 and 63.4501

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i)] \div 2000 \text{ lbs/ton} \leq 240$$

where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\frac{\sum_{M=1}^n \sum_{i=1}^n [(V_i)(G_i)]}{2000}$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating/cleanup material shall be based upon a rolling, 12-month summation.

2. The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system whenever the emission unit is in operation.

4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.2.b. x A.III.2.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.2.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons; and
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K028:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate, in pounds, for each cleanup material employed (A.III.3.b. x A.III.3.c.); and
 - e. the total OC emissions rate from all cleanup materials employed (summation of A.III.3.d.), in pounds or tons.

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

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

4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
5. 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; and
 - 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 $C_{VOC,2}$
6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;

- b. the OC content of each cleanup material employed, in pounds per gallon;
- c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
- d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
- e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

7. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.
8. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4530, 63.4531, and 63.4568

IV. Reporting Requirements

1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;

- b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;
 - c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
61.47 lbs VOC/hr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no recordkeeping, 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 9.5 gallons per hour and a maximum VOC content of 6.47 lbs/gallon.

If required, the permittee shall demonstrate compliance with the hourly allowable VOC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation:

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Facility ID: 0386000027

Emissions Unit ID: K028

240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

- c. Emission Limitation:
3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.
- Applicable Compliance Method:
Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.
- d. Emission Limitation:
4.80 lbs PE/hr
- Applicable Compliance Method:
The potential to emit for this emissions unit is less than the allowable emissions limitation. The following calculation of the potential to emit shall demonstrate compliance:
- The potential to emit for this emissions unit is 1.14 tons per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.
- If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).
- e. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except as provided by rule
- Applicable Compliance Method:
If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).
- f. Emission Limitation:
163.43 lbs OC/month from cleanup operations
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.3. of this permit.
- g. Emission Limitation:
8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

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PTI Application: 03-17378

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Facility ID: 0386000027

Emissions Unit ID: K028

h. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart P (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart P (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

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PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K028

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K028) - A-line paint booth 1 with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Deco Plas, Inc.

PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K029

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment -(K029) - A-line paint booth 2 with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	<p>61.47 lbs volatile organic compounds (VOC)/hr from coating operations (See A.I.2.h)</p> <p>163.43 lbs organic compounds (OC)/month from cleanup operations</p> <p>8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined</p> <p>See A.I.2.a and A.II.2.</p>
OAC rule 3745-31-05 (C)	<p>240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined</p> <p>See A.I.2.b, A.I.2.c, A.II.1., & A.II.2.</p>
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.I.2.g)
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
OAC rule 3745-17-11 (B) (2)	<p>4.80 lbs particulate emissions (PE)/hr</p> <p>See A.I.2.e</p>
OAC rule 3745-17-07 (A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except, as provided by rule

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Emissions Unit ID: K029

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart MMMM	See A.I.2.i See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS
40 CFR Part 63, Subpart PPPP	66.4490 0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.i) See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (See A.II.1).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of dry filtration system with a minimum control efficiency of 99% for particulate emissions.

The potential to emit for this emissions unit is 1.14 tons PE per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.

- 2.e** The potential to emit for this emissions unit is less than the allowable emission limitation (See A.I.2.c).
- 2.f** The hourly VOC emission limitation represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- 2.g** 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.h** This emissions unit is subject to 61.47 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.I.2.g.
- 2.i** This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.j** The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4500 and 63.4501

II. Operational Restrictions

- 1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i)] \div 2000 \text{ lbs/ton} \leq 240$$

where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

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G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i)(G_i)}{2000}$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating/cleanup material shall be based upon a rolling, 12-month summation.

2. The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system whenever the emission unit is in operation.

4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.2.b. x A.III.2.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.2.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons; and
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K029:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate, in pounds, for each cleanup material employed (A.III.3.b. x A.III.3.c.); and
 - e. the total OC emissions rate from all cleanup materials employed (summation of A.III.3.d.), in pounds or tons.

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

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

4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
5. 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; and
 - 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 $C_{VOC,2}$
6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;

- b. the OC content of each cleanup material employed, in pounds per gallon;
- c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
- d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
- e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

- 7. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.
- 8. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4530, 63.4531, and 63.4568

IV. Reporting Requirements

- 1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
- 2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.
- 3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;

- b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;
 - c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
61.47 lbs VOC/hr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no recordkeeping, 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 9.5 gallons per hour and a maximum VOC content of 6.47 lbs/gallon.

If required, the permittee shall demonstrate compliance with the hourly allowable VOC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation:

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240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

- c. Emission Limitation:
3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.
- Applicable Compliance Method:
Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.
- d. Emission Limitation:
4.80 lbs PE/hr
- Applicable Compliance Method:
The potential to emit for this emissions unit is less than the allowable emissions limitation. The following calculation of the potential to emit shall demonstrate compliance:
- The potential to emit for this emissions unit is 1.14 tons per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.
- If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).
- e. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except as provided by rule
- Applicable Compliance Method:
If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).
- f. Emission Limitation:
163.43 lbs OC/month from cleanup operations
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.3. of this permit.
- g. Emission Limitation:
8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

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h. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

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Emissions Unit ID: K029

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K029) - A-line paint booth 2 with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

- 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 (K030) - A-line paint booth 3 with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	61.47 lbs volatile organic compounds (VOC)/hr from coating operations (See A.I.2.h) 163.43 lbs organic compounds (OC)/month from cleanup operations 8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.a and A.II.2.
OAC rule 3745-31-05 (C)	240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.b, A.I.2.c, A.II.1., & A.II.2.
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.I.2.g)
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
OAC rule 3745-17-11 (B) (2)	4.80 lbs particulate emissions (PE)/hr See A.I.2.e
OAC rule 3745-17-07 (A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except, as provided by rule

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart MMMM	See A.I.2.i See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS
40 CFR Part 63, Subpart PPPP	66.4490 0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.i) See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (See A.II.1.).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of dry filtration system with a minimum control efficiency of 99% for particulate emissions.

The potential to emit for this emissions unit is 1.14 tons PE per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.

- 2.e** The potential to emit for this emissions unit is less than the allowable emission limitation (See A.I.2.c).
- 2.f** The hourly VOC emission limitation represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- 2.g** 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.h** This emissions unit is subject to 61.47 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.I.2.g.
- 2.i** This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.j** The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:
- 63.4500 and 63.4501

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i)] \div 2000 \text{ lbs/ton} \leq 240$$

where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

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G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i)(G_i)}{2000}$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating/cleanup material shall be based upon a rolling, 12-month summation.

2. The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system whenever the emission unit is in operation.

4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.2.b. x A.III.2.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.2.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons; and
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K030:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate, in pounds, for each cleanup material employed (A.III.3.b. x A.III.3.c.); and
 - e. the total OC emissions rate from all cleanup materials employed (summation of A.III.3.d.), in pounds or tons.

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

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

4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
5. 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; and
 - 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 $C_{VOC,2}$
6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;

- b. the OC content of each cleanup material employed, in pounds per gallon;
- c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
- d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
- e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

- 7. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.
- 8. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4530, 63.4531, and 63.4568

IV. Reporting Requirements

- 1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
- 2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.
- 3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;

- b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;
 - c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
61.47 lbs VOC/hr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no recordkeeping, 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 9.5 gallons per hour and a maximum VOC content of 6.47 lbs/gallon.

If required, the permittee shall demonstrate compliance with the hourly allowable VOC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation:

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Emissions Unit ID: K030

240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

- c. Emission Limitation:
3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.
- Applicable Compliance Method:
Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.
- d. Emission Limitation:
4.80 lbs PE/hr
- Applicable Compliance Method:
The potential to emit for this emissions unit is less than the allowable emissions limitation. The following calculation of the potential to emit shall demonstrate compliance:
- The potential to emit for this emissions unit is 1.14 tons per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.
- If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).
- e. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except as provided by rule
- Applicable Compliance Method:
If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).
- f. Emission Limitation:
163.43 lbs OC/month from cleanup operations
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.3. of this permit.
- g. Emission Limitation:
8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

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Facility ID: 0386000027

Emissions Unit ID: K030

h. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart P (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart P (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K030) - A-line paint booth 3 with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K031

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

- 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 -(K031) - A-line paint booth 4 with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	61.47 lbs volatile organic compounds (VOC)/hr from coating operations (See A.I.2.h) 163.43 lbs organic compounds (OC)/month from cleanup operations 8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.a and A.II.2.
OAC rule 3745-31-05 (C)	240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.b, A.I.2.c, A.II.1., & A.II.2.
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.I.2.g)
OAC rule 3745-21-09 (U) (1)	3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit
OAC rule 3745-17-11 (B) (2)	4.72 lbs particulate emissions (PE)/hr See A.I.2.e
OAC rule 3745-17-07 (A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except, as provided by rule

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Facility ID: 0386000027

Emissions Unit ID: K031

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart MMMM	See A.I.2.i See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS
40 CFR Part 63, Subpart PPPP	66.4490 0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.i) See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (See A.II.1.).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of dry filtration system with a minimum control efficiency of 99% for particulate emissions.

The potential to emit for this emissions unit is 1.14 tons PE per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.

- 2.e** The potential to emit for this emissions unit is less than the allowable emission limitation (See A.I.2.c).
- 2.f** The hourly VOC emission limitation represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- 2.g** 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.h** This emissions unit is subject to 61.47 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.I.2.g.
- 2.i** This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.j** The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:
- 63.4500 and 63.4501

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i)] \div 2000 \text{ lbs/ton} \leq 240$$

where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

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G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\frac{\sum_{i=1}^n (V_i)(G_i)}{2000}$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating/cleanup material shall be based upon a rolling, 12-month summation.

2. The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system whenever the emission unit is in operation.

4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.2.b. x A.III.2.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.2.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons; and
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K031:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate, in pounds, for each cleanup material employed (A.III.3.b. x A.III.3.c.); and
 - e. the total OC emissions rate from all cleanup materials employed (summation of A.III.3.d.), in pounds or tons.

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

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

4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
5. 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; and
 - 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 $C_{VOC,2}$
6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;

- b. the OC content of each cleanup material employed, in pounds per gallon;
- c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
- d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
- e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

- 7. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.
- 8. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4530, 63.4531, and 63.4568

IV. Reporting Requirements

- 1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
- 2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.
- 3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;

- b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;
 - c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
61.47 lbs VOC/hr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no recordkeeping, 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 9.5 gallons per hour and a maximum VOC content of 6.47 lbs/gallon.

If required, the permittee shall demonstrate compliance with the hourly allowable VOC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation:

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Emissions Unit ID: K031

240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

- c. Emission Limitation:
3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.
- Applicable Compliance Method:
Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.
- d. Emission Limitation:
4.80 lbs PE/hr
- Applicable Compliance Method:
The potential to emit for this emissions unit is less than the allowable emissions limitation. The following calculation of the potential to emit shall demonstrate compliance:
- The potential to emit for this emissions unit is 1.14 tons per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.
- If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).
- e. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except as provided by rule
- Applicable Compliance Method:
If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).
- f. Emission Limitation:
163.43 lbs OC/month from cleanup operations
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.3. of this permit.
- g. Emission Limitation:
8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

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Facility ID: 0386000027

Emissions Unit ID: K031

h. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K031) - A-line paint booth 4 with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment -(K032) - A-line paint booth 5 with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	<p>61.47 lbs volatile organic compounds (VOC)/hr from coating operations (See A.I.2.h)</p> <p>163.43 lbs organic compounds (OC)/month from cleanup operations</p> <p>8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined</p> <p>See A.I.2.a and A.II.2.</p>
OAC rule 3745-31-05 (C)	<p>240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined</p> <p>See A.I.2.b, A.I.2.c, A.II.1., & A.II.2.</p>
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.I.2.g)
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
OAC rule 3745-17-11 (B) (2)	<p>4.80 lbs particulate emissions (PE)/hr</p> <p>See A.I.2.e</p>
OAC rule 3745-17-07 (A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except, as provided by rule

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart MMMM	See A.I.2.i See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS
40 CFR Part 63, Subpart PPPP	66.4490 0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.i) See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (See A.II.1.).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of dry filtration system with a minimum control efficiency of 99% for particulate emissions.

The potential to emit for this emissions unit is 1.14 tons PE per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.

- 2.e** The potential to emit for this emissions unit is less than the allowable emission limitation (See A.I.2.c).
- 2.f** The hourly VOC emission limitation represents the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- 2.g** 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.h** This emissions unit is subject to 61.47 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.I.2.g.
- 2.i** This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.j** The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:
- 63.4500 and 63.4501

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i)] \div 2000 \text{ lbs/ton} \leq 240$$

where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

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G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\sum_{i=1}^n [(V_i)(G_i)] \div 2000$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating/cleanup material shall be based upon a rolling, 12-month summation.

- The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
- The permittee shall operate the dry filtration system whenever the emission unit is in operation.

4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.2.b. x A.III.2.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.2.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons; and
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K032:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate, in pounds, for each cleanup material employed (A.III.3.b. x A.III.3.c.); and
 - e. the total OC emissions rate from all cleanup materials employed (summation of A.III.3.d.), in pounds or tons.

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

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

4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
5. 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; and
 - 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 $C_{VOC,2}$
6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;

- b. the OC content of each cleanup material employed, in pounds per gallon;
- c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
- d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
- e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

7. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.
8. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4530, 63.4531, and 63.4568

IV. Reporting Requirements

1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;

- b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;
 - c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
61.47 lbs VOC/hr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no recordkeeping, 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 9.5 gallons per hour and a maximum VOC content of 6.47 lbs/gallon.

If required, the permittee shall demonstrate compliance with the hourly allowable VOC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation:

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240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

- c. Emission Limitation:
3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.
- Applicable Compliance Method:
Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.
- d. Emission Limitation:
4.80 lbs PE/hr
- Applicable Compliance Method:
The potential to emit for this emissions unit is less than the allowable emissions limitation. The following calculation of the potential to emit shall demonstrate compliance:
- The potential to emit for this emissions unit is 1.14 tons per year and was determined by multiplying a maximum coating usage rate of 9.5 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.
- If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).
- e. Emission Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except as provided by rule
- Applicable Compliance Method:
If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).
- f. Emission Limitation:
163.43 lbs OC/month from cleanup operations
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.3. of this permit.
- g. Emission Limitation:
8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined
- Applicable Compliance Method:
Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

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Emissions Unit ID: K032

h. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart P (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart P (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K032) - A-line paint booth 5 with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (K034) - C-line with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	<p>38.82 lbs volatile organic compounds (VOC)/hr & 170.03 tons VOC/yr from coating operations (See A.I.2.h)</p> <p>163.43 lbs organic compounds (OC)/month from cleanup operations</p> <p>8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined</p> <p>See A.I.2.a and A.II.2.</p>
OAC rule 3745-31-05 (C)	<p>240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined</p> <p>See A.I.2.b, A.I.2.c, A.II.1., & A.II.2.</p>
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.I.2.g)
OAC rule 3745-21-09 (U) (1)	3.5 pounds VOC per gallon of coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit
OAC rule 3745-17-11 (B) (2)	<p>3.40 lbs particulate emissions (PE)/hr</p> <p>See A.I.2.e</p>
OAC rule 3745-17-07 (A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except, as provided by rule

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart MMMM	See A.I.2.i See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS
40 CFR Part 63, Subpart PPPP	66.4490 0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.i) See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (See A.II.1.).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of dry filtration system with a minimum control efficiency of 99% for particulate emissions.

The potential to emit for this emissions unit is 0.71 ton PE per year and was determined by multiplying a maximum coating usage rate of 6.0 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.

- 2.e** The potential to emit for this emissions unit is less than the allowable emission limitation (See A.I.2.c).
- 2.f** The hourly and ton per year VOC emission limitations represent the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- 2.g** 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.h** This emissions unit is subject to 38.82 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.I.2.g.
- 2.i** This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.j** The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4500 and 63.4501

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i)] \div 2000 \text{ lbs/ton} \leq 240$$

where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\frac{\sum_{M=1}^n \sum_{i=1}^n [(V_i)(G_i)]}{2000}$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating/cleanup material shall be based upon a rolling, 12-month summation.

2. The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
3. The permittee shall operate the dry filtration system whenever the emission unit is in operation.

4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.2.b. x A.III.2.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.2.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons; and
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K034:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate, in pounds, for each cleanup material employed (A.III.3.b. x A.III.3.c.); and
 - e. the total OC emissions rate from all cleanup materials employed (summation of A.III.3.d.), in pounds or tons.

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

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

4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
5. 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; and
 - 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 $C_{VOC,2}$
6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;

- b. the OC content of each cleanup material employed, in pounds per gallon;
- c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
- d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
- e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

- 7. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.
- 8. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4530, 63.4531, and 63.4568

IV. Reporting Requirements

- 1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
- 2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.
- 3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;

- b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;
 - c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
38.82 lbs VOC/hr & 170.03 tons VOC/yr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no recordkeeping, 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 6.0 gallons per hour and a maximum VOC content of 6.47 lbs/gallon.

The ton per year emission limitation was developed by multiplying the emission limitation of 38.82 lbs VOC/hr by a maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the hourly allowable VOC emission limitation above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

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Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K034

- b. Emission Limitation:
240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

c. Emission Limitation:

3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

d. Emission Limitation:

3.40 lbs PE/hr

Applicable Compliance Method:

The potential to emit for this emissions unit is less than the allowable emissions limitation. The following calculation of the potential to emit shall demonstrate compliance:

The potential to emit for this emissions unit is 0.71 ton per year and was determined by multiplying a maximum coating usage rate of 6.0 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

e. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determined in accordance with OAC rule 3745-17-03(B)(1).

f. Emission Limitation:

163.43 lbs OC/month from cleanup operations

Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.3. of this permit.

g. Emission Limitation:

8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined

Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

h. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K034) - C-line with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Deco Plas, Inc.

PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K039

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment -(K039) - Test spray booth with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	6.47 lbs volatile organic compounds (VOC)/hr & 28.34 tons VOC/yr from coating operations (See A.I.2.i) 6.59 lbs organic compounds (OC)/month from cleanup operations 8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.a and A.II.2.
OAC rule 3745-31-05 (C)	240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.b, A.I.2.c, A.II.1., & A.II.2.
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.I.2.h)
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
OAC rule 3745-17-11 (B) (2)	See A.I.2.f
OAC rule 3745-17-07 (A)	See A.I.2.g
40 CFR Part 63, Subpart M	See A.I.2.j See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart PPPP	<p>66.4490</p> <p>0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.j)</p> <p>See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS</p>

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (See A.II.1.).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of dry filtration system with a minimum control efficiency of 99% for particulate emissions.
- The potential to emit for this emissions unit is 0.13 ton PE per year and was determined by multiplying a maximum coating usage rate of 1 gallon/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.
- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.
- 2.e** The hourly and ton per year VOC emission limitations represent the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

- 2.f** The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).
- 2.g** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because OAC rule 3745-17-11 is not applicable.
- 2.h** 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.i** This emissions unit is subject to 6.47 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.1.2.h.
- 2.j** This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.k** The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4500 and 63.4501

II. Operational Restrictions

1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i)] \div 2000 \text{ lbs/ton} \leq 240$$

where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\frac{\sum_{M=1}^n \sum_{i=1}^n [(V_i)(G_i)]}{2000}$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating/cleanup material shall be based upon a rolling, 12-month summation.

- The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
- The permittee shall operate the dry filtration system whenever the emission unit is in operation.

4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.3.b. x A.III.3.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.3.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons;
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K039:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate, in pounds, for each cleanup material employed (A.III.4.b. x A.III.4.c.); and
 - e. the total OC emissions rate from all cleanup materials employed (summation of A.III.4.d.), in pounds or tons.

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

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

4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
5. 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; and
 - 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 $C_{VOC,2}$
6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;

- b. the OC content of each cleanup material employed, in pounds per gallon;
- c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
- d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
- e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

- 7. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.
- 8. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4530, 63.4531, and 63.4568

IV. Reporting Requirements

- 1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
- 2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.
- 3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;

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Emissions Unit ID: K039

- b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;
 - c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
6.47 lbs VOC/hr & 28.34 tons VOC/yr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no recordkeeping, 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 1.0 gallon per hour and a maximum VOC content of 6.47 lbs/gallon.

The ton per year emission limitation was developed by multiplying the emission limitation of 6.47 lbs VOC/hr by a maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the allowable VOC emission limitations above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

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Emissions Unit ID: K039

- b. Emission Limitation:
240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

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Emissions Unit ID: K039

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

c. Emission Limitation:

3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

d. Emission Limitation:

6.59 lbs OC/month from cleanup operations

Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.3. of this permit.

e. Emission Limitation:

8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined

Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

f. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

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Emissions Unit ID: K039

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K039) - Test spray booth with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Deco Plas, Inc.

PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K040

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment -(K040) - D-line paint booth 1 with water curtain. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	19.41 lbs volatile organic compounds (VOC)/hr & 85.02 tons VOC/yr from coating operations (See A.I.2.i) 65.90 lbs organic compounds (OC)/month from cleanup operations 8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.a and A.II.2.
OAC rule 3745-31-05 (C)	240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044 and K039 combined See A.I.2.b, A.I.2.c, A.II.1., & A.II.2.
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.I.2.h)
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
OAC rule 3745-17-11 (B) (2)	See A.I.2.f
OAC rule 3745-17-07 (A)	See A.I.2.g
40 CFR Part 63, Subpart Mmmm	See A.I.2.j See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

Deco Plas, Inc.

PTI Application: 03-17378

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Facility ID: 0386000027

Emissions Unit ID: K040

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart PPPP	<p>66.4490</p> <p>0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.i)</p> <p>See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS</p>

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (See A.II.1.).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of water curtain with a minimum control efficiency of 99% for particulate emissions.
- The potential to emit for this emissions unit is 0.35 ton PE per year and was determined by multiplying a maximum coating usage rate of 3 gallon/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.
- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.
- 2.e** The hourly and ton per year VOC emission limitations represent the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

- 2.f The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).
- 2.g This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because OAC rule 3745-17-11 is not applicable.
- 2.h 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.i This emissions unit is subject to 19.41 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.I.2.h.
- 2.j This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.k The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4500 and 63.4501

II. Operational Restrictions

- 1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i)] \div 2000 \text{ lbs/ton} \leq 240$$

where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\frac{\sum_{M=1}^n \sum_{i=1}^n [(V_i)(G_i)]}{2000}$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating/cleanup material shall be based upon a rolling, 12-month summation.

2. The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
3. The permittee shall operate the water curtain whenever the emission unit is in operation.

4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.3.b. x A.III.3.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.3.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons;
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K040:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate, in pounds, for each cleanup material employed (A.III.4.b. x A.III.4.c.); and
 - e. the total OC emissions rate from all cleanup materials employed (summation of A.III.4.d.), in pounds or tons.

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

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

4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
5. 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; and
 - 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 $C_{VOC,2}$
6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;

- b. the OC content of each cleanup material employed, in pounds per gallon;
- c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
- d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
- e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

7. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the emissions unit was in operation.
8. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4530, 63.4531, and 63.4568

IV. Reporting Requirements

1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the water curtain was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.
3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;

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- b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;
 - c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
19.41 lbs VOC/hr & 85.02 tons VOC/yr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no recordkeeping, 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 3.0 gallon per hour and a maximum VOC content of 6.47 lbs/gallon.

The ton per year emission limitation was developed by multiplying the emission limitation of 19.41 lbs VOC/hr by a maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the allowable VOC emission limitations above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

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- b. Emission Limitation:
240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

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Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

c. Emission Limitation:

3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

d. Emission Limitation:

6.59 lbs OC/month from cleanup operations

Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.3. of this permit.

e. Emission Limitation:

8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined

Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

f. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

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B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K040) - D-line paint booth 1 with water curtain. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Emissions Unit ID: K041

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

- 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 - (K041) - B-line paint booth with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	45.29 lbs volatile organic compound (VOC)/hr & 198.37 tons VOC/yr from coating operations (See A.I.2.h) 16.48 lbs organic compounds (OC)/month from cleanup operations 8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.a and A.II.2.
OAC rule 3745-31-05 (C)	240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.b, A.I.2.c, A.II.1., & A.II.2.
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.I.2.g)
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
OAC rule 3745-17-11 (B) (2)	3.82 lbs particulate emissions (PE)/hr See A.I.2.e
OAC rule 3745-17-07 (A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except, as provided by rule

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Emissions Unit ID: K041

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart MMMM	See A.I.2.i See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS
40 CFR Part 63, Subpart PPPP	66.4490 0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.i) See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (See A.II.1.).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of dry filtration system with a minimum control efficiency of 99% for particulate emissions.

The potential to emit for this emissions unit is 0.83 ton PE per year and was determined by multiplying a maximum coating usage rate of 7.0 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.

- 2.e The potential to emit for this emissions unit is less than the allowable emission limitation (See A.I.2.c).
- 2.f The hourly and ton per year VOC emission limitations represent the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- 2.g 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.h This emissions unit is subject to 45.29 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.I.2.g.
- 2.i This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.j The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4500 and 63.4501

II. Operational Restrictions

- 1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i)] \div 2000 \text{ lbs/ton} \leq 240$$

where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\frac{\sum_{M=1}^n \sum_{i=1}^n [(V_i)(G_i)]}{2000}$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating/cleanup material shall be based upon a rolling, 12-month summation.

- The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
- The permittee shall operate the dry filtration system whenever the emission unit is in operation.

4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.2.b. x A.III.2.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.2.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons; and
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K041:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate, in pounds, for each cleanup material employed (A.III.3.b. x A.III.3.c.); and
 - e. the total OC emissions rate from all cleanup materials employed (summation of A.III.3.d.), in pounds or tons.

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

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

4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
5. 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; and
 - 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 $C_{VOC,2}$
6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;

- b. the OC content of each cleanup material employed, in pounds per gallon;
- c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
- d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
- e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

- 7. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

IV. Reporting Requirements

- 1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
- 2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.
- 3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;
 - b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;

- c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
45.29 lbs VOC/hr & 198.37 tons VOC/yr from coating operations

Applicable Compliance Method:

The hourly and annual emission limitations represent the potential to emit* of the emissions unit. Therefore, no recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*The hourly potential to emit is based on a worst-case coating operation involving a maximum coating usage rate of 7 gallons per hour and a maximum VOC content of 6.47 lbs/gallon.

The ton per year emission limitation was developed by multiplying the emission limitation of 45.29 lbs VOC/hr by a maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the allowable VOC emission limitations above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation:
240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

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Emissions Unit ID: K041

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

c. Emission Limitation:

3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

d. Emission Limitation:

3.82 lbs PE/hr

Applicable Compliance Method:

The potential to emit for this emissions unit is less than the allowable emissions limitation. The following calculation of the potential to emit shall demonstrate compliance:

The potential to emit for this emissions unit is 0.83 ton per year and was determined by multiplying a maximum coating usage rate of 7.0 gallons/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the emission limitation above pursuant to OAC rule 3745-17-03(B)(10).

e. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity as a 6-minute average except as provided by rule

Applicable Compliance Method:

If required, compliance shall be determine in accordance with OAC rule 3745-17-03(B)(1).

f. Emission Limitation:

16.48 lbs OC/month from cleanup operations

Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.3. of this permit.

g. Emission Limitation:

8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined

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Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

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Emissions Unit ID: K041

h. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

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Emissions Unit ID: K041

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K041) - B-line paint booth with dry filtration. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K043

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment -(K043) - D-line paint booth 2 with water curtain. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	19.41 lbs volatile organic compounds (VOC)/hr & 85.02 tons VOC/yr from coating operations (See A.I.2.i) 65.90 lbs organic compounds (OC)/month from cleanup operations 8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.a and A.II.2.
OAC rule 3745-31-05 (C)	240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.b, A.I.2.c, A.II.1., & A.II.2.
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day See A.I.2.h
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
OAC rule 3745-17-11 (B) (2)	See A.I.2.f
OAC rule 3745-17-07 (A)	See A.I.2.g

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Emissions Unit ID: K043

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart MMMM	See A.I.2.j See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS
40 CFR Part 63, Subpart PPPP	66.4490 0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.j) See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (See A.II.1.).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of water curtain with a minimum control efficiency of 99% for particulate emissions.

The potential to emit for this emissions unit is 0.35 ton PE per year and was determined by multiplying a maximum coating usage rate of 3 gallon/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.

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- 2.e** The hourly and ton per year VOC emission limitations represent the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.
- 2.f** The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).
- 2.g** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because OAC rule 3745-17-11 is not applicable.
- 2.h** 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.i** This emissions unit is subject to 19.41 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.1.2.h.
- 2.j** This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.k** The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4500 and 63.4501

II. Operational Restrictions

- 1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i) \div 2000 \text{ lbs/ton}] \leq 240$$

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where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\frac{M}{\sum_{i=1}^n [(V_i)(G_i)]} \div 2000$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating/cleanup material shall be based upon a rolling, 12-month summation.

2. The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
3. The permittee shall operate the water curtain whenever the emission unit is in operation.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.3.b. x A.III.3.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.3.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons;
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K043:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;

- d. the OC emission rate, in pounds, for each cleanup material employed (A.III.4.b. x A.III.4.c.); and
- e. the total OC emissions rate from all cleanup materials employed (summation of A.III.4.d.), in pounds or tons.

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

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

- 4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
- 5. 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; and
 - 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 $C_{VOC,2}$

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6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;
 - b. the OC content of each cleanup material employed, in pounds per gallon;
 - c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
 - d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
 - e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

7. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the emissions unit was in operation.
8. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4530, 63.4531, and 63.4568

IV. Reporting Requirements

1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the water curtain was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.

3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;
 - b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;
 - c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
19.41 lbs VOC/hr & 85.02 tons VOC/yr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no recordkeeping, 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 3.0 gallon per hour and a maximum VOC content of 6.47 lbs/gallon.

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The ton per year emission limitation was developed by multiplying the emission limitation of 19.41 lbs VOC/hr by a maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the allowable VOC emission limitations above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

- b. Emission Limitation:
240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

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Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

c. Emission Limitation:

3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

d. Emission Limitation:

6.59 lbs OC/month from cleanup operations

Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.3. of this permit.

e. Emission Limitation:

8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined

Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

f. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

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Facility ID: 0386000027

Emissions Unit ID: K043

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K043) - D-line paint booth 2 with water curtain. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K044

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment -(K044) - D-line paint booth 3. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05 (A) (3)	19.41 lbs volatile organic compounds (VOC)/hr & 85.02 tons VOC/yr from coating operations (See A.I.2.i) 65.90 lbs organic compounds (OC)/month from cleanup operations 8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See A.I.2.a and A.II.2.
OAC rule 3745-31-05 (C)	240 tons VOC/rolling, 12-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined See a.I.2.b, A.I.2.c, A.II.1., & A.II.2.
OAC rule 3745-21-07 (G) (2)	OC emissions shall not exceed 8 pounds per hour and 40 pounds per day (See A.I.2.h)
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
OAC rule 3745-17-11 (B) (2)	See A.I.2.f
OAC rule 3745-17-07 (A)	See A.I.2.g
40 CFR Part 63, Subpart Mmmm	See A.I.2.j See section A.1. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

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Emissions Unit ID: K044

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 63, Subpart PPPP	<p>66.4490</p> <p>0.16 kg (0.16 lb) organic hazardous air pollutant (HAP) emitted per kg (lb) coating solids used during each 12-month compliance period (See A.I.2.j)</p> <p>See section A.2. of Part II - FACILITY SPECIFIC TERMS AND CONDITIONS</p>

2. Additional Terms and Conditions

- 2.a** 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(C).
- 2.b** This permit establishes the following federally enforceable emission limitations for purposes of avoiding applicability of Prevention of Significant Deterioration (PSD) regulations:
- i. 240 tons VOC per rolling, 12-month period based on material usage restrictions for emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined (See A.II.1.).
- 2.c** Permit to Install 03-17281 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3754-31-05 (A) (3):
- a. use of water curtain with a minimum control efficiency of 99% for particulate emissions.
- The potential to emit for this emissions unit is 0.35 ton PE per year and was determined by multiplying a maximum coating usage rate of 3 gallon/hr, a maximum paint density of 11.32 lbs/gallon, a maximum solids content of 59.34% by weight, applying an overall control efficiency of 99% and a transfer efficiency of 40%, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.
- 2.d** This emissions unit becomes subject to OAC rule 3745-21-09(U)(d)(1) when a coating is applied to a metal substrate.
- 2.e** The hourly and ton per year VOC emission limitations represent the potential to emit for this emissions unit. Therefore, no monitoring, recordkeeping, or reporting requirements are necessary to ensure compliance with this emission limitation.

- 2.f The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this unit is exempt from the requirements of OAC rule 3745-17-11(B)(2).
- 2.g This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(A) pursuant to OAC rule 3745-17-07(A)(3)(h) because OAC rule 3745-17-11 is not applicable.
- 2.h 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.i This emissions unit is subject to 19.41 lbs VOC/hr from coating operations at all times except for when subject to OAC rule 3745-21-07(G)(2) as specified in section A.I.2.h.
- 2.j This facility is applicable to both the Surface Coating of Plastic Parts and Products MACT (Subpart PPPP) and the Surface Coating of Miscellaneous Metal Parts and Products MACT (Subpart MMMM). In accordance with the rule, the company chooses to have all applicable surface coating operations comply with the emissions limits set fourth in Subpart PPPP since the coating of plastic parts is the predominant activity at the facility.
- 2.i The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4500 and 63.4501

II. Operational Restrictions

- 1. The maximum rolling, 12-month quantity of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, is limited by the following equation:

$$\sum_{M=1}^{12} \sum_{i=1}^n [(V_i)(G_i)] \div 2000 \text{ lbs/ton} \leq 240$$

where,

M = the increment of the rolling 12-month period;

V_i = VOC content in pounds per gallon of each coating employed

G_i = Gallons used of each coating for the rolling 12-month period

n = total number of unique coatings employed in emission units K028 through K032, K001, K034, K040, K041, K043, K044, and K039

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the maximum cumulative amount of coating employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined, shall not exceed the following rates:

Month	$\frac{\sum_{M=1}^n \sum_{i=1}^n [(V_i)(G_i)]}{2000}$ is less than or equal to
1	20
1-2	40
1-3	60
1-4	80
1-5	100
1-6	120
1-7	140
1-8	160
1-9	180
1-10	200
1-11	220
1-12	240

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual restriction on the amount of coating/cleanup material shall be based upon a rolling, 12-month summation.

2. The use of volatile organic compounds, as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s), for cleanup operations in this emissions unit is prohibited.
3. The permittee shall operate the water curtain whenever the emission unit is in operation.

4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4492 and 63.4493

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records that document whether or not each cleanup material employed is a volatile organic compound as defined in OAC rule 3745-21-01 and 40 CFR 51.100(s).
2. The permittee shall maintain monthly records of the following information for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the company name and identification for each coating employed;
 - b. the volume, in gallons, of each coating employed;
 - c. the VOC content of each coating employed, in pounds per gallon, as applied;
 - d. the VOC emission rate, in pounds, for each coating employed (A.III.3.b. x A.III.3.c.);
 - e. the total VOC emission rate from all coatings employed (summation of A.III.3.d.), in pounds or tons;
 - f. for the first 12 months of operation, under the provisions of this permit, the cumulative year-to-date total VOC emissions, in tons;
 - g. beginning the first month, after the first 12 months of operation under the provisions of this permit, the rolling, 12-month VOC emission rates, in tons.
3. The permittee shall maintain monthly records of the following information for cleanup materials employed in emissions unit K040:
 - a. the company name and identification for each cleanup material employed;
 - b. the volume, in gallons, of each cleanup material employed;
 - c. the OC content of each cleanup material employed, in pounds per gallon;
 - d. the OC emission rate, in pounds, for each cleanup material employed (A.III.4.b. x A.III.4.c.); and
 - e. the total OC emissions rate from all cleanup materials employed (summation of A.III.4.d.), in pounds or tons.

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

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

4. 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 (A.III.4.b x A.III.4.c);
 - e. The total number of hours the emissions unit was involved in the operation of coating of non-metal substrates; and
 - f. The average hourly organic compound emission rate involving the operation of coating non-metal substrates (A.III.4.d/A.III.4.e.), in pounds per hour (average).
5. 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; and
 - 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 $C_{VOC,2}$
6. In conjunction with the monitoring and recordkeeping in A.III.4. above, the permittee shall collect and record the following information each month for all cleanup materials employed in emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined:
 - a. the volume, in gallons, of each cleanup material employed;

- b. the OC content of each cleanup material employed, in pounds per gallon;
- c. the OC emission rate, in pounds, for each cleanup material employed (A.III.6.b. x A.III.6.c.);
- d. the total OC emissions rate from all cleanup materials employed (summation of A.III.6.c.), in pounds or tons; and
- e. the annual year-to-date OC emissions from all cleanup materials employed (sum of A.III.6.d for each calendar month to date from January to December).

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

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

- 7. The permittee shall maintain daily records that document any time periods when the water curtain was not in service when the emissions unit was in operation.
- 8. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4530, 63.4531, and 63.4568

IV. Reporting Requirements

- 1. The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of a volatile organic compound, as defined in OAC rule 3745-21-01 and/or 40 CFR 51.100(s), for cleanup operations. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
- 2. The permittee shall notify the Northwest District Office in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 30 days after the event occurs.
- 3. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. For the first 12 calendar months of operation under the provisions of this permit, all exceedances of the maximum allowable cumulative coating material usage rate specified in section A.II.1. of this permit;

- b. Beginning the first month after the first 12 calendar months of operation under the provisions of this permit, all exceedances of the 240 tons of VOC per rolling, 12-month period for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined;
 - c. Any exceedance of the monthly or annual cleanup material emissions limitations specified in Section A.I.1. of this permit;
 - d. 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 A.III.4.f. exceeded 8 pounds per hour; and
 - e. 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 daily organic compound emissions as calculated by term and condition A.III.4.d. exceeded 40 pounds per day.
4. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4510 and 63.4520

V. Testing Requirements

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

- a. Emission Limitation:
19.41 lbs VOC/hr & 85.02 tons VOC/yr from coating operations

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* of the emissions unit. Therefore, no recordkeeping, 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 3.0 gallon per hour and a maximum VOC content of 6.47 lbs/gallon.

The ton per year emission limitation was developed by multiplying the emission limitation of 19.41 lbs VOC/hr by a maximum operating schedule of 8760 hours/yr and dividing by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with the allowable VOC emission limitations above in accordance with 40 CFR Part 60 Appendix A, Methods 1 through 4 and 18, 25, or 25A, as appropriate.

Deco Plas, Inc.

PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K044

- b. Emission Limitation:
240 tons VOC/rolling, 12,-month period from coating operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined.

Deco Plas, Inc.

PTI Application: 03-17378

Issued: To be entered upon final issuance

Facility ID: 0386000027

Emissions Unit ID: K044

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.2. of this permit.

c. Emission Limitation:

3.5 pounds VOC per gallon coating, excluding water and exempt solvents, for coatings dried at temperatures not exceeding 200 degrees Fahrenheit.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements in section A.III.5. of this permit. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

d. Emission Limitation:

6.59 lbs OC/month from cleanup operations

Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.3. of this permit.

e. Emission Limitation:

8.19 tons OC/yr from cleanup operations for emissions units K028 through K032, K001, K034, K040, K041, K043, K044, and K039 combined

Applicable Compliance Method:

Compliance shall be based on the recordkeeping in section A.III.6. of this permit.

f. Emission Limitation:

OC emissions shall not exceed 8 pounds per hour and 40 pounds per day

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements in section A.III.4. of this permit.

2. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4540, 63.4541, 63.4542, 63.4550, 63.4551, 63.4552, 63.4560, 63.4561, 63.4563, 63.4564, 63.4565, 63.4566, and 63.4567

VI. Miscellaneous Requirements

1. The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart PPPP (the predominant activity at the facility), including the following sections:

63.4580 and 63.4581

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment -(K044) - D-line paint booth 3. Modification to PTI 03-10757 issued on 1/28/04 to allow for increase in emissions and federally enforceable emission limitations.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
None	None

2. **Additional Terms and Conditions**

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None