



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

50 West Town Street, Suite 700

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 03-17092

Fac ID: 0370010056

DATE: 2/27/2007

Gorman-Rupp Company
Jane Yonally
305 Bowman Street
Mansfield, OH 44903

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

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

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

Sincerely,

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

CC: USEPA

NWDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

FINAL PERMIT TO INSTALL 03-17092

Application Number: 03-17092
Facility ID: 0370010056
Permit Fee: **\$1600**
Name of Facility: Gorman-Rupp Company
Person to Contact: Jane Yonally
Address: 305 Bowman Street
Mansfield, OH 44903

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

**305 Bowman Street
Mansfield, Ohio**

Description of proposed emissions unit(s):

Modification to metal coating operations by changing coating used.

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. Permit to Install General Terms and Conditions

1. Compliance Requirements

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

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (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. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

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

the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

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

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

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

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

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

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

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

Gorman-Rupp Company
PTI Application: 03-17092
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Facility ID: 0370010056

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

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

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

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

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

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC	66.7

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (R003) - styrene resin hand lay-up booth

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Volatile organic compounds (VOC) emissions from coatings employed in this emissions unit shall not exceed 0.45 lb/hr and 1.9 tons per year.
	Organic compounds (OC) emissions from cleanup operations for all emissions units at this facility, combined, shall not exceed 665.5 lbs/month and 4.0 tons per year.
	See sections A.2 a and A.2.b below.
OAC rule 3745-21-07(G)(2)	See section A.2.c below.

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) must be employed. For this emissions unit BAT has been determined to be use of a fiberglass filter and compliance with the terms and conditions of this permit.
- 2.b The hourly emission limitation represents the potential to emit of the emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.
- 2.c The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month for the

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coating material usage in emissions unit R003:

- a. the company name and identification for each coating material employed;
 - b. documentation of whether or not each coating employed is a photochemically reactive material, as defined in OAC rule 3745-21-01;
 - c. the OC content of each coating, as applied, in lbs/gal;
 - d. the number of gallons of each coating employed;
 - e. the OC emission rate for each coating, $[(C.1.c) \times (C.1.d) \times (1 \text{ ton}/2000 \text{ lbs})]$, in tons per month;
 - f. the total OC emission rate for all coatings, summation of section C.1.e, in tons per month;
 - g. the annual, year to date OC emissions, in tons, from all coating materials employed (sum of C.1.f for each month to date from January to December).
2. The permittee shall collect and record the following each month for the cleanup material usage for all emissions units at the facility, combined:
- a. the company name and identification for each cleanup material employed;
 - b. documentation of whether or not each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01;
 - c. the OC content of each cleanup material, in lbs/gal;
 - d. the number of gallons of each cleanup material employed;
 - e. the OC emission rate for each cleanup material, $(C.2.c) \times (C.2.d)$, in pounds per month;
 - f. the total OC emission rate for all cleanup materials, summation of section C.2.e, in pounds per month;
 - g. the annual, year to date OC emissions, in tons, from all cleanup materials employed (sum of section C.2.f for each calendar month to date from January to

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December, divided by 2000 lbs/ton).

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.

D. Reporting Requirements

1. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing an exceedance of the 665.5 lbs OC/month from cleanup operations limitation. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
2. The permittee shall submit annual reports that identify the following:
 - a. the actual VOC emissions per year from coating operations for emissions unit R003; and
 - b. the actual OC emissions per year from cleanup operations from all emissions units at the facility, combined.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 0.45 lb/hr.

Emissions Unit ID: **R003****Applicable Compliance Method:**

The hourly OC emission limitation is based on the emission unit's potential to emit.* Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance. If required, the permittee shall demonstrate compliance with the hourly limitation by testing in accordance with Methods 1 through 4 and 18, 25 or 25A, as applicable, of 40 CFR Part 60, Appendix A.

*The potential to emit is based on a maximum coating usage rate of 1.5 gallons per hour, a maximum VOC content of 3.78 pounds per gallon, and an emission rate of 8% for styrene due to polymerization.

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b. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 1.9 tons per year.

Applicable Compliance Method:

The annual limitation was established by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton. Compliance with the 1.9 tons VOC/yr emission limitation above shall be based upon the record keeping requirements as specified in section C.1.

c. Emission Limitation:

OC emissions from cleanup operations for all emissions units at this facility, combined, shall not exceed 665.5 lbs/month and 4.0 tons per year.

Applicable Compliance Method:

Compliance with the monthly and annual limitations shall be based on the record keeping requirements as specified in section C.2.

F. Miscellaneous Requirements

1. The facility shall submit a revised Hazardous Air Pollutant (HAP) summary, within 30 days of changing any coating material usage at the facility that results in an increase in HAP emissions, whether or not there is an increase in overall VOC emissions.

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (R004) - spray paint booth no. 2 with fabric filter

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Volatile organic compounds (VOC) emissions from coatings employed in this emissions unit shall not exceed 2.1 lbs/hr and 9.2 tons per year.
	Organic compounds (OC) emissions from cleanup operations for all emissions units at this facility, combined, shall not exceed 665.5 lbs/month and 4.0 tons per year.
	See sections A.2.a, A.2.b and A.2.c below.
OAC rule 3745-21-09(U)(1)(c)	The VOC content for each extreme performance coating employed shall not exceed 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents.

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) must be employed. For this emissions unit BAT has been determined to be use of a fiberglass filter and compliance with the terms and conditions of this permit.
- 2.b The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(c).
- 2.c The hourly emission limitation represents the potential to emit of the emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

B. Operational Restrictions

None

Gorman-Rupp Company
DTI Application: 02-17002

Facility ID: 0370010056

Emissions Unit ID: R004

Issued: 2/27/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month for all coatings employed in this emissions unit:
 - a. the name and identification number of each coating material employed;
 - b. the OC content of each coating, as applied, in pounds per gallon;
 - c. the VOC content of each coating (excluding water and exempt solvents), in pounds per gallon, as applied [the VOC content shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for $C_{VOC,2}$];
 - d. the number of gallons of each coating employed;
 - e. the OC emission rate for each coating [(C.1.b) x (C.1.d) x (1 ton/2000 lbs)], in tons per month;
 - f. the total OC emission rate for all coatings (summation of section C.1.e), in tons per month; and
 - g. the annual, year to date OC emissions, in tons, from all coating materials employed (summation of C.1.f for each calendar month to date from January to December).

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

2. The permittee shall collect and record the following each month for the cleanup material usage for all emissions units at the facility, combined:
 - a. the company name and identification for each cleanup material employed;
 - b. documentation of whether or not each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01;
 - c. the OC content of each cleanup material, in lbs/gal;
 - d. the number of gallons of each cleanup material employed;

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- e. the OC emission rate for each cleanup material, (C.2.c) x (C.2.d), in pounds per month;
- f. the total OC emission rate for all cleanup materials, summation of section C.2.e, in pounds per month;
- g. the annual, year to date OC emissions, in tons, from all cleanup materials employed (sum of section C.2.f for each calendar month to date from January to December, divided by 2000 lbs/ton).

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.

D. Reporting Requirements

- 1. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing the use of noncomplying coatings (coating that exceeds the 3.5 lbs of VOC/gallon, excluding water and exempt solvents) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
- 2. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing an exceedance of the 665.5 lbs OC/month from cleanup operations limitation. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
- 3. The permittee shall submit annual reports that identify the following:
 - a. the actual VOC emissions per year from coating operations for emissions unit R004; and
 - b. the actual OC emissions per year from cleanup operations from all emissions

Emissions Unit ID: **R004**

units at the facility, combined.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

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

- a. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 2.1 lbs/hr.

Applicable Compliance Method:

The hourly OC emission limitation is based on the emission unit's potential to emit.* Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance. If required, the permittee shall demonstrate compliance with the hourly limitation by testing in accordance with Methods 1 through 4 and 18, 25 or 25A, as applicable, of 40 CFR Part 60, Appendix A.

*The potential to emit is based on a maximum coating usage rate of 1.5 gallons per hour and a maximum VOC content of 1.39 pounds per gallon.

- b. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 9.2 tons per year.

Applicable Compliance Method:

The annual limitation was established by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton. Compliance with the 9.2 tons VOC/yr emission limitation above shall be based upon the record keeping requirements as specified in section C.1.

- c. Emission Limitation:

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OC emissions from cleanup operations for all emissions units at the facility, combined, shall not exceed 665.5 lbs OC/month and 4.0 tons per year.

Applicable Compliance Method:

Compliance with the monthly and annual limitations shall be based on the record keeping requirements as specified in section C.2.

d. Emission Limitation:

The VOC content for each extreme performance coating employed shall not exceed 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in section C.1. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

F. Miscellaneous Requirements

1. The facility shall submit a revised Hazardous Air Pollutant (HAP) summary, within 30 days of changing any coating material usage at the facility that results in an increase in HAP emissions, whether or not there is an increase in overall VOC emissions.

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (R005) - spray paint booth no. 3 with fabric filter

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Volatile organic compounds (VOC) emissions from coatings employed in this emissions unit shall not exceed 2.1 lbs/hr and 9.2 tons per year.
	Organic compounds (OC) emissions from cleanup operations for all emissions units at this facility, combined, shall not exceed 665.5 lbs/month and 4.0 tons per year.
	See sections A.2.a, A.2.b and A.2.c below.
OAC rule 3745-21-09(U)(1)(c)	The VOC content for each extreme performance coating employed shall not exceed 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents.

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) must be employed. For this emissions unit BAT has been determined to be use of a fiberglass filter and compliance with the terms and conditions of this permit.
- 2.b The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(c).
- 2.c The hourly emission limitation represents the potential to emit of the emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

B. Operational Restrictions

None

Gorman-Rupp Company
DTI Application: 02-17002

Facility ID: 0370010056

Emissions Unit ID: R005

Issued: 2/27/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month for all coatings employed in this emissions unit:
 - a. the name and identification number of each coating material employed;
 - b. the OC content of each coating, as applied, in pounds per gallon;
 - c. the VOC content of each coating (excluding water and exempt solvents), in pounds per gallon, as applied [the VOC content shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for $C_{VOC,2}$];
 - d. the number of gallons of each coating employed;
 - e. the OC emission rate for each coating [(C.1.b) x (C.1.d) x (1 ton/2000 lbs)], in tons per month;
 - f. the total OC emission rate for all coatings (summation of section C.1.e), in tons per month; and
 - g. the annual, year to date OC emissions, in tons, from all coating materials employed (summation of C.1.f for each calendar month to date from January to December).

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

2. The permittee shall collect and record the following each month for the cleanup material usage for all emissions units at the facility, combined:
 - a. the company name and identification for each cleanup material employed;
 - b. documentation of whether or not each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01;
 - c. the OC content of each cleanup material, in lbs/gal;
 - d. the number of gallons of each cleanup material employed;

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- e. the OC emission rate for each cleanup material, (C.2.c) x (C.2.d), in pounds per month;
- f. the total OC emission rate for all cleanup materials, summation of section C.2.e, in pounds per month;
- g. the annual, year to date OC emissions, in tons, from all cleanup materials employed (sum of section C.2.f for each calendar month to date from January to December, divided by 2000 lbs/ton).

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.

D. Reporting Requirements

- 1. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing the use of noncomplying coatings (coating that exceeds the 3.5 lbs of VOC/gallon, excluding water and exempt solvents) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
- 2. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing an exceedance of the 665.5 lbs OC/month from cleanup operations limitation. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
- 3. The permittee shall submit annual reports that identify the following:
 - a. the actual VOC emissions per year from coating operations for emissions unit R004; and
 - b. the actual OC emissions per year from cleanup operations from all emissions

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units at the facility, combined.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

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

- a. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 2.1 lbs/hr.

Applicable Compliance Method:

The hourly OC emission limitation is based on the emission unit's potential to emit.* Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance. If required, the permittee shall demonstrate compliance with the hourly limitation by testing in accordance with Methods 1 through 4 and 18, 25 or 25A, as applicable, of 40 CFR Part 60, Appendix A.

*The potential to emit is based on a maximum coating usage rate of 1.5 gallons per hour and a maximum VOC content of 1.39 pounds per gallon.

- b. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 9.2 tons per year.

Applicable Compliance Method:

The annual limitation was established by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton. Compliance with the 9.2 tons VOC/yr emission limitation above shall be based upon the record keeping requirements as specified in section C.1.

Emissions Unit ID: **R005**

c. Emission Limitation:

OC emissions from cleanup operations for all emissions units at the facility, combined, shall not exceed 665.5 lbs OC/month and 4.0 tons per year.

Applicable Compliance Method:

Compliance with the monthly and annual limitations shall be based on the record keeping requirements as specified in section C.2.

d. Emission Limitation:

The VOC content for each extreme performance coating employed shall not exceed 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in section C.1. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

F. Miscellaneous Requirements

1. The facility shall submit a revised Hazardous Air Pollutant (HAP) summary, within 30 days of changing any coating material usage at the facility that results in an increase in HAP emissions, whether or not there is an increase in overall VOC emissions.

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (R006) - styrene resin spray booth with fabric filter

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05	Volatile organic compounds (VOC) emissions from coatings employed in this emissions unit shall not exceed 0.83 lb/hr and 3.64 tons per year.
	Organic compounds (OC) emissions from cleanup operations for all emissions units at this facility, combined, shall not exceed 665.5 lbs/month and 4.0 tons per year.
	See sections A.2.a and A.2.b below.
OAC rule 3745-21-07(G)(2)	See section A.2.c below.

2. Additional Terms and Conditions

- 2.a** Best Available Technology (BAT) must be employed. For this emissions unit BAT has been determined to be use of a fiberglass filter and compliance with the terms and conditions of this permit.
- 2.b** The hourly emission limitation represents the potential to emit of the emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.
- 2.c** The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

Emissions Unit ID: **R006**

1. The permittee shall collect and record the following information each month for the coating material usage in emissions unit R006:
 - a. the company name and identification for each coating material employed;
 - b. documentation of whether or not each coating employed is a photochemically reactive material, as defined in OAC rule 3745-21-01;
 - c. the OC content of each coating, as applied, in lbs/gal;
 - d. the number of gallons of each coating employed;
 - e. the OC emission rate for each coating, $[(C.1.c) \times (C.1.d) \times (1 \text{ ton}/2000 \text{ lbs})]$, in tons per month;
 - f. the total OC emission rate for all coatings, summation of section C.1.e, in tons per month;
 - g. the annual, year to date OC emissions, in tons, from all coating materials employed (sum of C.1.f for each month to date from January to December).

2. The permittee shall collect and record the following each month for the cleanup material usage for all emissions units at the facility, combined:
 - a. the company name and identification for each cleanup material employed;
 - b. documentation of whether or not each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01;
 - c. the OC content of each cleanup material, in lbs/gal;
 - d. the number of gallons of each cleanup material employed;
 - e. the OC emission rate for each cleanup material, $(C.2.c) \times (C.2.d)$, in pounds per month;
 - f. the total OC emission rate for all cleanup materials, summation of section C.2.e, in pounds per month;
 - g. the annual, year to date OC emissions, in tons, from all cleanup materials

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employed (sum of section C.2.f for each calendar month to date from January to December, divided by 2000 lbs/ton).

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.

D. Reporting Requirements

1. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing an exceedance of the 665.5 lbs OC/month from cleanup operations limitation. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
2. The permittee shall submit annual reports that identify the following:
 - a. the actual VOC emissions per year from coating operations for emissions unit R006; and
 - b. the actual OC emissions per year from cleanup operations from all emissions units at the facility, combined.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 0.83 lb/hr.

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Applicable Compliance Method:

The hourly OC emission limitation is based on the emission unit's potential to emit.* Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance. If required, the permittee shall demonstrate compliance with the hourly limitation by testing in accordance with Methods 1 through 4 and 18, 25 or 25A, as applicable, of 40 CFR Part 60, Appendix A.

*The potential to emit is based on a maximum coating usage rate of 1.5 gallons per hour, a maximum VOC content of 3.78 pounds per gallon, and an emission rate of 11% for styrene due to polymerization.

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b. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 3.64 tons per year.

Applicable Compliance Method:

The annual limitation was established by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton. Compliance with the 3.64 tons VOC/yr emission limitation above shall be based upon the record keeping requirements as specified in section C.1.

c. Emission Limitation:

OC emissions from cleanup operations for all emissions units at this facility, combined, shall not exceed 665.5 lbs/month and 4.0 tons per year.

Applicable Compliance Method:

Compliance with the monthly and annual limitations shall be based on the record keeping requirements as specified in section C.2.

F. Miscellaneous Requirements

1. The facility shall submit a revised Hazardous Air Pollutant (HAP) summary, within 30 days of changing any coating material usage at the facility that results in an increase in HAP emissions, whether or not there is an increase in overall VOC emissions.

Emissions Unit ID: R007

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (R007) - modification to spray paint booth no. 4 with fabric filter (modification to use only compliant paints) (modification of PTI 03-1392, issued 04-11-1984)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Volatile organic compounds (VOC) emissions from coatings employed in this emissions unit shall not exceed 2.1 lbs/hr and 9.2 tons per year.
	Organic compounds (OC) emissions from cleanup operations for all emissions units at this facility, combined, shall not exceed 665.5 lbs/month and 4.0 tons per year.
	See sections A.2.a, A.2.b and A.2.c below.
OAC rule 3745-21-09(U)(1)(c)	The VOC content for each extreme performance coating employed shall not exceed 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents.

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) must be employed. For this emissions unit BAT has been determined to be use of a fiberglass filter and compliance with the terms and conditions of this permit.
- 2.b The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(c).
- 2.c The hourly emission limitation represents the potential to emit of the emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

B. Operational Restrictions

None

Issued: 2/27/2007**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall collect and record the following information each month for all coatings employed in this emissions unit:
 - a. the name and identification number of each coating material employed;
 - b. the OC content of each coating, as applied, in pounds per gallon;
 - c. the VOC content of each coating (excluding water and exempt solvents), in pounds per gallon, as applied [the VOC content shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for $C_{VOC,2}$];
 - d. the number of gallons of each coating employed;
 - e. the OC emission rate for each coating [(C.1.b) x (C.1.d) x (1 ton/2000 lbs)], in tons per month;
 - f. the total OC emission rate for all coatings (summation of section C.1.e), in tons per month; and
 - g. the annual, year to date OC emissions, in tons, from all coating materials employed (summation of C.1.f for each calendar month to date from January to December).

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

2. The permittee shall collect and record the following each month for the cleanup material usage for all emissions units at the facility, combined:
 - a. the company name and identification for each cleanup material employed;
 - b. documentation of whether or not each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01;
 - c. the OC content of each cleanup material, in lbs/gal;

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- d. the number of gallons of each cleanup material employed;
- e. the OC emission rate for each cleanup material, (C.2.c) x (C.2.d), in pounds per month;
- f. the total OC emission rate for all cleanup materials, summation of section C.2.e, in pounds per month;
- g. the annual, year to date OC emissions, in tons, from all cleanup materials employed (sum of section C.2.f for each calendar month to date from January to December, divided by 2000 lbs/ton).

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.

D. Reporting Requirements

1. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing the use of noncomplying coatings (coating that exceeds the 3.5 lbs of VOC/gallon, excluding water and exempt solvents) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
2. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing an exceedance of the 665.5 lbs OC/month from cleanup operations limitation. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
3. The permittee shall submit annual reports that identify the following:
 - a. the actual VOC emissions per year from coating operations for emissions unit R007; and
 - b. the actual OC emissions per year from cleanup operations from all emissions

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units at the facility, combined.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

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

- a. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 2.1 lbs/hr.

Applicable Compliance Method:

The hourly OC emission limitation is based on the emission unit's potential to emit.* Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance. If required, the permittee shall demonstrate compliance with the hourly limitation by testing in accordance with Methods 1 through 4 and 18, 25 or 25A, as applicable, of 40 CFR Part 60, Appendix A.

*The potential to emit is based on a maximum coating usage rate of 1.5 gallons per hour and a maximum VOC content of 1.39 pounds per gallon.

- b. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 9.2 tons per year.

Applicable Compliance Method:

The annual limitation was established by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton. Compliance with the 9.2 tons VOC/yr emission limitation above shall be based upon the record keeping requirements as specified in section C.1.

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c. Emission Limitation:

OC emissions from cleanup operations for all emissions units at the facility, combined, shall not exceed 665.5 lbs OC/month and 4.0 tons per year.

Applicable Compliance Method:

Compliance with the monthly and annual limitations shall be based on the record keeping requirements as specified in section C.2.

d. Emission Limitation:

The VOC content for each extreme performance coating employed shall not exceed 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in section C.1. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

F. Miscellaneous Requirements

1. The facility shall submit a revised Hazardous Air Pollutant (HAP) summary, within 30 days of changing any coating material usage at the facility that results in an increase in HAP emissions, whether or not there is an increase in overall VOC emissions.

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (R009) - styrene gelcoat spray booth with fabric filter

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Volatile organic compounds (VOC) emissions from coatings employed in this emissions unit shall not exceed 0.85 lb/hr and 3.72 tons per year.
	Organic compounds (OC) emissions from cleanup operations for all emissions units at this facility, combined, shall not exceed 665.5 lbs/month and 4.0 tons per year.
	See sections A.2.a and A.2.b below.
OAC rule 3745-21-07(G)(2)	See section A.2.c below.

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) must be employed. For this emissions unit BAT has been determined to be use of a fiberglass filter and compliance with the terms and conditions of this permit.
- 2.b The hourly emission limitation represents the potential to emit of the emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.
- 2.c The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

None

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month for the coating material usage in emissions unit R009:
 - a. the company name and identification for each coating material employed;
 - b. documentation of whether or not each coating employed is a photochemically reactive material, as defined in OAC rule 3745-21-01;
 - c. the OC content of each coating, as applied, in lbs/gal;
 - d. the number of gallons of each coating employed;
 - e. the OC emission rate for each coating, $[(C.1.c) \times (C.1.d) \times (1 \text{ ton}/2000 \text{ lbs})]$, in tons per month;
 - f. the total OC emission rate for all coatings, summation of section C.1.e, in tons per month;
 - g. the annual, year to date OC emissions, in tons, from all coating materials employed (sum of C.1.f for each month to date from January to December).

2. The permittee shall collect and record the following each month for the cleanup material usage for all emissions units at the facility, combined:
 - a. the company name and identification for each cleanup material employed;
 - b. documentation of whether or not each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01;
 - c. the OC content of each cleanup material, in lbs/gal;
 - d. the number of gallons of each cleanup material employed;
 - e. the OC emission rate for each cleanup material, $(C.2.c) \times (C.2.d)$, in pounds per month;
 - f. the total OC emission rate for all cleanup materials, summation of section C.2.e, in pounds per month;

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- g. the annual, year to date OC emissions, in tons, from all cleanup materials employed (sum of section C.2.f for each calendar month to date from January to December, divided by 2000 lbs/ton).

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.

D. Reporting Requirements

1. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing an exceedance of the 665.5 lbs OC/month from cleanup operations limitation. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
2. The permittee shall submit annual reports that identify the following:
 - a. the actual VOC emissions per year from coating operations for emissions unit R009; and
 - b. the actual OC emissions per year from cleanup operations from all emissions units at the facility, combined.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed

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0.85 lb/hr.

Applicable Compliance Method:

The hourly OC emission limitation is based on the emission unit's potential to emit.* Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance. If required, the permittee shall demonstrate compliance with the hourly limitation by testing in accordance with Methods 1 through 4 and 18, 25 or 25A, as applicable, of 40 CFR Part 60, Appendix A.

*The potential to emit is based on a maximum coating usage rate of 0.75 gallon per hour, a maximum VOC content of 3.65 pounds per gallon, and an emission rate of 31% for styrene due to polymerization.

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b. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 3.72 tons per year.

Applicable Compliance Method:

The annual limitation was established by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton. Compliance with the 3.72 tons VOC/yr emission limitation above shall be based upon the record keeping requirements as specified in section C.1.

c. Emission Limitation:

OC emissions from cleanup operations for all emissions units at this facility, combined, shall not exceed 665.5 lbs/month and 4.0 tons per year.

Applicable Compliance Method:

Compliance with the monthly and annual limitations shall be based on the record keeping requirements as specified in section C.2.

F. Miscellaneous Requirements

1. The facility shall submit a revised Hazardous Air Pollutant (HAP) summary, within 30 days of changing any coating material usage at the facility that results in an increase in HAP emissions, whether or not there is an increase in overall VOC emissions.

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (R010) - modification to spray paint booth no. 5 with fabric filter (modification to use only compliant paints) (modification of PTI 03-1429, issued 04-11-1984)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Volatile organic compounds (VOC) emissions from coatings employed in this emissions unit shall not exceed 2.1 lbs/hr and 9.2 tons per year.
	Organic compounds (OC) emissions from cleanup operations for all emissions units at this facility, combined, shall not exceed 665.5 lbs/month and 4.0 tons per year.
	See sections A.2.a, A.2.b and A.2.c below.
OAC rule 3745-21-09(U)(1)(c)	The VOC content for each extreme performance coating employed shall not exceed 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents.

2. Additional Terms and Conditions

- 2.a** Best Available Technology (BAT) must be employed. For this emissions unit BAT has been determined to be use of a fiberglass filter and compliance with the terms and conditions of this permit.
- 2.b** The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(c).
- 2.c** The hourly emission limitation represents the potential to emit of the emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each month for all coatings employed in this emissions unit:
 - a. the name and identification number of each coating material employed;
 - b. the OC content of each coating, as applied, in pounds per gallon;
 - c. the VOC content of each coating (excluding water and exempt solvents), in pounds per gallon, as applied [the VOC content shall be calculated in accordance with the equation specified in paragraph (B)(8) of OAC rule 3745-21-10 for $C_{VOC,2}$];
 - d. the number of gallons of each coating employed;
 - e. the OC emission rate for each coating [(C.1.b) x (C.1.d) x (1 ton/2000 lbs)], in tons per month;
 - f. the total OC emission rate for all coatings (summation of section C.1.e), in tons per month; and
 - g. the annual, year to date OC emissions, in tons, from all coating materials employed (summation of C.1.f for each calendar month to date from January to December).

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

2. The permittee shall collect and record the following each month for the cleanup material usage for all emissions units at the facility, combined:
 - a. the company name and identification for each cleanup material employed;
 - b. documentation of whether or not each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01;
 - c. the OC content of each cleanup material, in lbs/gal;

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- d. the number of gallons of each cleanup material employed;
- e. the OC emission rate for each cleanup material, (C.2.c) x (C.2.d), in pounds per month;
- f. the total OC emission rate for all cleanup materials, summation of section C.2.e, in pounds per month;
- g. the annual, year to date OC emissions, in tons, from all cleanup materials employed (sum of section C.2.f for each calendar month to date from January to December, divided by 2000 lbs/ton).

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.

D. Reporting Requirements

- 1. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing the use of noncomplying coatings (coating that exceeds the 3.5 lbs of VOC/gallon, excluding water and exempt solvents) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
- 2. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing an exceedance of the 665.5 lbs OC/month from cleanup operations limitation. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
- 3. The permittee shall submit annual reports that identify the following:
 - a. the actual VOC emissions per year from coating operations for emissions unit R010; and

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- b. the actual OC emissions per year from cleanup operations from all emissions units at the facility, combined.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

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

- a. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 2.1 lbs/hr.

Applicable Compliance Method:

The hourly OC emission limitation is based on the emission unit's potential to emit.* Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance. If required, the permittee shall demonstrate compliance with the hourly limitation by testing in accordance with Methods 1 through 4 and 18, 25 or 25A, as applicable, of 40 CFR Part 60, Appendix A.

*The potential to emit is based on a maximum coating usage rate of 1.5 gallons per hour and a maximum VOC content of 1.39 pounds per gallon.

- b. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 9.2 tons per year.

Applicable Compliance Method:

The annual limitation was established by multiplying the hourly emission limitation by the maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton. Compliance with the 9.2 tons VOC/yr emission limitation above shall be based upon the record keeping requirements as specified in section C.1.

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c. Emission Limitation:

OC emissions from cleanup operations for all emissions units at the facility, combined, shall not exceed 665.5 lbs OC/month and 4.0 tons per year.

Applicable Compliance Method:

Compliance with the monthly and annual limitations shall be based on the record keeping requirements as specified in section C.2.

d. Emission Limitation:

The VOC content for each extreme performance coating employed shall not exceed 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents.

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in section C.1. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

F. Miscellaneous Requirements

1. The facility shall submit a revised Hazardous Air Pollutant (HAP) summary, within 30 days of changing any coating material usage at the facility that results in an increase in HAP emissions, whether or not there is an increase in overall VOC emissions.

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (R011) - modification to main assembly plant spray booth (modification to use only compliant paints) (modification of PTI no. 03-2759, issued 11-19-1986)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Volatile organic compounds (VOC) emissions from coatings employed in this emissions unit shall not exceed 12.44 lbs/hr and 20.6 tons per year.
	Organic compounds (OC) emissions from cleanup operations for all emissions units at this facility, combined, shall not exceed 665.5 lbs/month and 4.0 tons per year.
	See sections A.2.a, A.2.b and A.2.c below.
OAC rule 3745-21-09(U)(1)(c)	The VOC content for each extreme performance coating employed shall not exceed 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents.

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) must be employed. For this emissions unit BAT has been determined to be use of a fiberglass filter and compliance with the terms and conditions of this permit.
- 2.b The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(U)(1)(c).
- 2.c The hourly emission limitation represents the potential to emit of the emissions unit. Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.
- 2.d The permittee shall comply with OAC 3745-21-09(U)(1)(c) on a daily basis, and

Emissions Unit ID: R011

calculate annual emissions based on a volume-weighted average, as discussed in section C.1 below.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each day for all coatings employed in this emissions unit:
 - a. the name and identification number of each coating material employed;
 - b. the VOC content of each coating, as applied, in pounds per gallon;
 - c. the daily volume-weighted average VOC content of each coating (excluding water and exempt solvents), in pounds per gallon, as applied [the VOC content shall be calculated in accordance with the equation specified in paragraph (B)(9) of OAC rule 3745-21-10 for $C_{VOC,2}$];
 - d. the number of gallons (excluding water and exempt solvents) of each coating employed;
 - e. the VOC emission rate for each coating $[(C.1.c) \times (C.1.d) \times 1 \text{ ton}/2000 \text{ lbs}]$, in tons per day;
 - f. the total VOC emission rate for all coatings (summation of section C.1.e), in tons per day; and
 - g. the annual, year to date OC emissions from all coatings employed (summation of section C.1.f for each calendar day to date from January to December).

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

2. The permittee shall collect and record the following each month for the cleanup material usage for all emissions units at the facility, combined:
 - a. the company name and identification for each cleanup material employed;

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- b. documentation of whether or not each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01;
- c. the OC content of each cleanup material, in lbs/gal;
- d. the number of gallons of each cleanup material employed;
- e. the OC emission rate for each cleanup material, (C.2.c) x (C.2.d), in pounds per month;
- f. the total OC emission rate for all cleanup materials, summation of section C.2.e, in pounds per month;
- g. the annual, year to date OC emissions, in tons, from all cleanup materials employed (sum of section C.2.f for each calendar month to date from January to December, divided by 2000 lbs/ton).

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.

D. Reporting Requirements

1. The permittee shall notify the Ohio EPA Northwest District Office in writing of any daily record showing the use of noncomplying coatings. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.
2. The permittee shall notify the Ohio EPA Northwest District Office in writing of any monthly record showing an exceedance of the 665.5 lbs OC/month from cleanup operations limitation. The notification shall include a copy of such record and shall be sent to the Ohio EPA Northwest District Office within 30 days following the end of the calendar month.

Emissions Unit ID: **R011**

3. The permittee shall submit annual reports that identify the following:
 - a. the actual VOC emissions per year from coating operations for emissions unit R011; and
 - b. the actual OC emissions per year from cleanup operations from all emissions units at the facility, combined.

These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

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

- a. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 12.44 lbs/hr.

Applicable Compliance Method:

The hourly VOC emission limitation is based on the emission unit's potential to emit.* Therefore, no record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance. If required, the permittee shall demonstrate compliance with the hourly limitation by testing in accordance with Methods 1 - 4 and 18, 25 or 25A, as applicable, of 40 CFR Part 60, Appendix A.

*The potential to emit is based on a maximum coating usage rate of 2.0 gallons per hour, a maximum VOC content of 6.22 pounds per gallon.

- b. Emission Limitation:

VOC emissions from coatings employed in this emissions unit shall not exceed 20.6 tons per year.

Applicable Compliance Method:

The annual limitation was established by volume weighted averaging, and

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multiplying by the maximum operating schedule of 8760 hrs/yr and dividing by 2000 lbs/ton. Compliance with the 20.6 tons VOC/yr emission limitation above shall be based upon the record keeping requirements as specified in section C.1.

c. Emission Limitation:

OC emissions from cleanup operations for all emissions units at the facility, combined, shall not exceed 665.5 lbs OC/month and 4.0 tons per year.

Applicable Compliance Method:

Compliance with the monthly and annual limitations shall be based on the record keeping requirements as specified in section C.2.

d. Emission Limitation:

The VOC content for each extreme performance coating employed shall not exceed 3.5 pounds VOC per gallon of coating, excluding water and exempt solvents.

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Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in section C.1. Formulation data or U.S. EPA Method 24 shall be used to determine the VOC content of the coatings.

F. Miscellaneous Requirements

1. The facility shall submit a revised Hazardous Air Pollutant (HAP) summary, within 30 days of changing any coating material usage at the facility that results in an increase in HAP emissions, whether or not there is an increase in overall VOC emissions.