

## Synthetic Minor Determination and/or Netting Determination

Permit To Install: 06-08270

### A. Source Description

Wood finishing operation including sealer booth, topcoat booth, stain booth (exempt), air make-up unit (exempt), and diesel engine.

### B. Facility Emissions and Attainment Status

The facility is located in an attainment area. Based on potential to emit, the facility would be a major source for VOC and HAP. The synthetic minor limitations will allow the facility to be exempted from 40 CFR Part 63, Subpart JJ (63.800(b)(3)), since emissions are limited to below the MACT major source thresholds for a single HAP and combination of HAPs.

### C. Source Emissions

To avoid being a major source and establish a BAT limitation (consistent with OAC rule 3745-21-15 for Cincinnati sources), a combined VOC emissions limit of 24.9 tons/yr VOC for all coating booths is included in the PTI. This limit will also prevent the facility from being a major source of HAP through a limitation on the maximum percentage of HAP/VOC content. If the HAP content of the coating, as applied, does not exceed the limits of 36% and/or 96% of the VOC portion by weight, then the facility can never exceed 9.0 TPY single HAP and/or 24.0 TPY of combined HAPs (calculate by dividing the lbs/gal HAP by lbs/gal VOC).

Additionally, an hours/week of operation limitation has been included, to allow an adjusted, higher MAGLC, in accordance with air toxics review guidance and ORC 3704.03(F)(4). Modeled impacts from stoddard solvent and toluene emissions were still greater than 80% of the adjusted MAGLC. Appropriate monitoring, record keeping and reporting requirements have been included (no daily toxics emissions limit was necessary in this case).

### D. Conclusion

The synthetic minor limitations proposed in the draft PTI will limit emissions below major source thresholds for VOC and HAP and ensure compliance with the Ohio EPA air toxics requirements.



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  
COSHOCTON COUNTY  
Application No: 06-08270  
Fac ID: 0616000216**

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

**DATE:** 5/24/2007

Millcreek Finishing dba Ohio Valley Fini  
John Schlabach  
30812 Township Route 213  
Fresno, OH 42824

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 **\$800** 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

**COSHOCTON COUNTY**

**PUBLIC NOTICE**

**ISSUANCE OF DRAFT PERMIT TO INSTALL 06-08270 FOR AN AIR CONTAMINANT SOURCE  
FOR Millcreek Finishing dba Ohio Valley Fini**

On 5/24/2007 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Millcreek Finishing dba Ohio Valley Fini**, located at **30812 Township Route 213, Fresno, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 06-08270:

**Paint booths and a diesel engine.**

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.

Bruce Weinberg, Ohio EPA, Southeast District Office, 2195 Front Street, Logan, OH 43138  
[(740)385-8501]



**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 06-08270**

Application Number: 06-08270  
Facility ID: 0616000216  
Permit Fee: **To be entered upon final issuance**  
Name of Facility: Millcreek Finishing dba Ohio Valley Fini  
Person to Contact: John Schlabach  
Address: 30812 Township Route 213  
Fresno, OH 42824

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**30812 Township Route 213  
Fresno, Ohio**

Description of proposed emissions unit(s):  
**Paint booths and a diesel engine.**

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

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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.

### 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>
PE	0.93
SO2	0.86
NOx	13.04
CO	2.81
VOC	26.06
Single HAP	9.0
Combined HAPs	24.0

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: P001**

## **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 - P001 - 96 HP John Deere Diesel Engine**

<b>Applicable Rules/Requirements</b>	<b>Applicable Emissions Limitations/Control Measures</b>
OAC rule 3745-31-05(A)(3)	Emissions of nitrogen oxides(NOx) shall not exceed 2.98 lbs/hr; 13.04 TPY.
ORC 3704.03(T)(4)	See A.2.a below.
OAC rule 3745-17-11(B)(5)(a)	0.310 lb PE per million Btu of actual heat input.
OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average.
OAC rule 3745-18-06(G)	This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).
OAC rule 3745-21-08(B)	See A.2.b below.

### **2. Additional Terms and Conditions**

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate, sulfur dioxide, carbon monoxide and volatile organic compounds emissions from this air contaminant source since the uncontrolled potential to emit for particulate, sulfur dioxide, carbon monoxide and volatile organic compounds emissions is less than ten tons per year.
- 2.b The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the

requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

**B. Operational Restrictions**

1. The permittee shall burn only diesel fuel containing less than 0.5% sulfur in this emissions unit.

**C. Monitoring and/or Recordkeeping Requirements**

1. For each day during which the permittee burns a fuel other than diesel fuel containing less than 0.5% sulfur, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel fuel containing less than 0.5% sulfur was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

**E. Testing Requirements**

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

- a. Emission Limitations:  
2.98 lbs/hr and 13.04 TPY of NO<sub>x</sub>

Applicable Compliance Methods:

Compliance with the hourly emission limitation above shall be determined by multiplying 0.015 lb/hp-hr, the emission factor specified in AP-42 "Compilation of Air Pollutant Emission Factors," Table 3.3-1 (10/96), by 96 HP, the power output rating of this unit.

If required, compliance with the hourly emission limitation shall be demonstrated based upon emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate above by the maximum hours of operation, 8760 hours/year, and dividing by 2,000 lbs/ton.

- b. Emission Limitation:  
Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average.

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: P001**

Applicable Compliance Method:

If required, compliance with this limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A.

- c. Emission Limitation:  
0.310 lb PE per million Btu of actual heat input.

Applicable Compliance Method:

Compliance shall be demonstrated using the emission factor of 0.31 lb PE per million Btu of actual heat input from AP-42, Table 3.3-1 (Gasoline and Diesel Industrial Engines, 10/96).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

**F. Miscellaneous Requirements**

None

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

**Operations, Property, and/or Equipment - R001 - Stains Booth Vented Through Dry Filters**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>The volatile organic compound (VOC) emissions from all the coatings and cleanup materials for this emissions unit shall not exceed 24.9 tons per year.</p> <p>See A.2.b, B.1, and B.2 below.</p> <p>The requirements of this rule also include compliance with requirements of OAC rule 3745-31-05(C) and OAC rule 3745-21-07(G)(2).</p>
OAC rule 3745-31-05(C) Synthetic Minor to Avoid Title V and MACT applicability	See A.2.c and A.2.e below.
OAC rule 3745-21-07(G)(2)	See A.2.a below.
ORC 3704.03(F)(4) and OAC rule 3745-114	See A.2.d and B.2 below.
OAC rule 3745-17-11	Particulate emissions shall not exceed 0.551 pound per hour.
OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average.

**2. Additional Terms and Conditions**

- 2.a Each day that a photochemically reactive material [as defined in OAC 3745-21-01(C)(5)] is employed, the organic compound (OC) emissions from all coatings and from photochemically reactive cleanup or thinner materials shall not exceed 8.0 pounds per hour and 40.0 pound per day. OC emissions from clean up material that is not a photochemically reactive material shall not be included in showing compliance with this limit.

- 2.b** On any day during which no photochemically reactive materials [as defined in OAC 3745-21-01(C)(5)] are employed, the VOC emissions from all the coatings shall not exceed 14.0 pounds per hour. [This limit is based upon the maximum application rate of 2.2 gallons per hour.]
- 2.c** The VOC emissions from all the coatings and cleanup materials for emissions units R001, R002, R003, and Z001 (Paint Booth), combined, shall not exceed 24.9 tons per rolling, 12-month period.
- 2.d** The stoddard solvent content of each coating shall not exceed 4.1 pounds per gallon, as applied, for stains, 0.17 pounds per gallon, as applied, for sealers, and 0.18 pounds per gallon, as applied, for topcoats.
- 2.e** The content of any single hazardous air pollutant (HAP)<sup>1</sup> in any coating or cleanup material shall not exceed 36 percent, by weight, of the VOC portion of the coating or cleanup material, as applied. The content of the combined HAPs in any coating or cleanup material shall not exceed 96 percent, by weight, of the VOC portion of the coating or cleanup material, as applied.

<sup>1</sup> A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact. Material Safety Data Sheets or Environmental Data Sheets typically include a listing of the solvents contained in the coatings or cleanup materials.

## **B. Operational Restrictions**

1. All exhaust from the spray booth shall pass through the dry filters whenever this emissions unit is in operation.
2. The hours of operation for this emissions unit shall not exceed 55 hours per week.
3. The weight of organic material in solvent evaporated/used (minus any recovered for disposal), which is equivalent to VOC emissions, shall not exceed 24.9 tons during any rolling, 12-month period from emissions units R001, R002, R003, and Z001 combined.

Compliance with this limitation shall be based upon a rolling, 12-month summation of facility-wide solvent usage, calculated monthly, using the following equation:

Solvent Usage = [Summation (pounds of coatings employed x solvent content of coatings in percent VOC by weight) + (pounds of cleanup solvent employed) for all calendar months] x 0.0005 ton per pound.

4. To ensure enforceability with the annual solvent usage restriction during the first 12 calendar months of operation following startup, the permittee shall not exceed the solvent usage levels specified in the following table for R001, R002, R003, and Z001, combined:

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R001**

Month(s)	Maximum Allowable Solvent Usage (Tons)
1	4.0
1 - 2	8.0
1 - 3	12.0
1 - 4	16.0
1 - 5	20.0
1 - 6	24.0
1 - 7	24.9
1 - 8	24.9
1 - 9	24.9
1 - 10	24.9
1 - 11	24.9
1 - 12	24.9

After the first 12 calendar months of operation following issuance of this permit, compliance with the annual solvent usage restriction shall be based upon a rolling, 12-month summation of the monthly solvent usage (emission) figures maintained in C.4 below.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records that document all time periods when the dry filters were not in service when the emissions unit was in operation.
2. The permittee shall collect and record the following information for each day during which any photochemically reactive material is employed in this emissions unit:
  - a. the company identification for each coating and photochemically reactive cleanup material employed;
  - b. the number of gallons of each coating and photochemically reactive cleanup material employed minus the number of gallons of each coating and photochemically reactive cleanup material recovered for disposal;

- c. the OC content of each coating and photochemically reactive cleanup material, in pounds OC per gallon;
- d. the total emissions rate for all the coatings and photochemically reactive cleanup materials, in pounds OC per day;
- e. the total number of hours the emissions unit was in operation;
- f. the average hourly OC emission rate for all the coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
- g. the VOC content of each coating and photochemically reactive cleanup material, in pounds VOC per gallon; and
- h. the total emissions rate for all coatings and photochemically reactive cleanup materials, in pounds VOC per day.

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

- 3. The permittee shall collect and record the following information for each day during which no photochemically reactive materials are employed in this emissions unit:
  - a. the company identification for each coating or cleanup material employed;
  - b. documentation on whether or not each material employed (coating and cleanup) was a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5);
  - c. the VOC content of each coating, in lbs/gallon, as applied;
  - d. the number of gallons of each coating employed minus the number of gallons of each coating recovered for disposal;
  - e. the total VOC emissions from all the coatings employed, in lbs/day, i.e., sum of (c) times (d);
  - f. the total number of hours the emissions unit was in operation; and
  - g. the average hourly VOC emission rate for all the coatings, i.e., (e)/(f), in lbs/hr.
- 4. The permittee shall collect and record the following information for each month for the emissions unit:

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R001**

- a. the number of gallons of each non-photochemically reactive cleanup material employed minus the number of gallons of cleanup material recovered for disposal;
  - b. the VOC content of each non-photochemically cleanup material, in lbs/gallon;
  - c. the total VOC emissions from all non-photochemically reactive cleanup materials employed, in lbs/month, i.e., sum of (b) times (a);
  - d. the actual VOC emissions from all the coatings and cleanup materials employed, in tons [i.e., (the summation of the daily VOC emissions, from section C.2.h, for the calendar month + the summation of the daily VOC emissions, from section C.3.e, for the calendar month + the monthly non-photochemically reactive cleanup material VOC emission from section C.4.c) divided by 2000 lbs/ton]; and
  - e. during the first 12 months after the startup of emissions unit R001, R002 or R003, the cumulative total VOC emissions from all the coatings and cleanup materials employed in emissions units R001, R002, R003, and Z001, combined, since startup; thereafter, the rolling, 12-month summation of total VOC emissions from all the coatings and cleanup materials employed in emissions units R001, R002, R003, and Z001 combined (calculated by adding the current month's VOC emissions to the VOC emissions for the preceding 11 months).
5. The permittee shall calculate and record the total VOC emissions for all the coatings and cleanup materials employed, in tons, for each calendar year from this emissions unit.
  6. The permittee shall maintain records of the stoddard solvent emissions, in pounds per day, the actual single HAP content and the combined HAPs content for each coating and cleanup material, in percent by weight of the VOC portion of the coating or cleanup material, as applied, (i.e., the pounds of HAP per gallon divided by the pounds of VOC per gallon).
  7. The permittee shall record each week the total number of hours the emissions unit was in operation; i.e., sum of (2.e plus 3.f) for the week.
  8. The permit to install for these emissions units, R001, R002, R003, and Z001, combined, was evaluated based on the actual materials and the design parameters of the emissions units' exhaust system, as specified by the permittee in the permit application. The Ohio EPA's "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to these emissions units for each toxic air contaminant listed in OAC 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant emitted at over one ton per year using an air dispersion model such as SCREEN 3.0, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration results from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC),

calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

- a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour work week, for each toxic compound emitted from the emissions units (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):
  - i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or
  - ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.
- b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).
- c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "X" hours per day and "Y" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

$$\frac{TLV}{10} \times \frac{8}{X} \times \frac{5}{Y} = 4 \frac{TLV}{XY} = MAGLC$$

- d. The following summarizes the results of dispersion modeling for the "worst case" toxic contaminant:

Compound: stoddard solvent

TLV (mg/m3): 100

Maximum Hourly Emission Rate (lbs/hr): 9.60 (emissions units combined)

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R001**

Predicted 1-Hour Maximum Ground-Level  
Concentration (ug/m3): 41419

Adjusted\* MAGLC (ug/m3): 41643

\*Adjusted refers to basing the calculation on 55 hr/week, per ORC 3704.03(F)(4) and OAC rule 3745-114.

The permittee, having demonstrated that emissions of stoddard solvent are estimated to be equal or greater than eighty per cent, but less than 100 per cent of the maximum acceptable ground level concentration (MAGLC), shall not operate the emissions unit(s) at a rate that would exceed the toxic compound content limit and/or restricted hours of operations, as allowed in this permit; and any new raw material or processing agent shall not be applied without evaluating each component toxic contaminant in accordance with ORC 3704.03(F).

9. Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration", the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:
  - a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;
  - b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC 3745-114-01, that was modeled from the initial (or last) application; and
  - c. physical changes to the emissions unit(s) or its/their exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Toxic Air Contaminant Statute" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the ORC 3704.03(F), the statute, has been documented. If the change(s) meet(s) the definition of a "modification" or if a new toxic is emitted, or the modeled toxic(s) is/are expected to exceed the previous permitted level(s), then the permittee shall apply for and obtain a final permit-to-install prior to the change. The director may consider any significant departure from the operations of the emissions unit, described in the permit-to-install application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground

level concentration; and may require the permittee to submit a permit-to-install application for the increased emissions.

10. The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute":
  - a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);
  - b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with ORC 3704.03(F);
  - c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and
  - d. the documentation of the initial evaluation of compliance with ORC 3704.03(F) and documentation of any determination that was conducted to reevaluate compliance due to a change made to the emissions unit(s) or the materials applied.

#### **D. Reporting Requirements**

1. The permittee shall notify the Director in writing of any daily record showing that the dry filters were 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 Ohio EPA, Southeast District Office within 30 days after the event occurs.
2. The permittee submit quarterly deviation reports that identify:
  - a. for the days during which a photochemically reactive material was employed, each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8.0 pounds per hour and/or 40.0 pounds per day, and the actual OC emissions for each such incidence;
  - b. for the days during which a photochemically reactive material was not employed, each day during which the average VOC emissions from the coatings and cleanup materials exceeded 14.0 pounds per hour, and the actual average VOC emissions for each such day;
  - c. any week during which the hours of operation of the emissions unit exceeded 55; and

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R001**

- d. all exceedances of the stoddard solvent emission limitation specified above for each day, and the actual stoddard solvent emissions for each such day; and
- e. all exceedances of the single HAP and/or combined HAPs content limitation specified above for each coating or cleanup material, as applied, and the actual HAP contents of each such coating or cleanup material.

The quarterly reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

- 3. The permittee shall submit annual reports that summarize the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
- 4. The permittee shall notify SEDO, in writing, of any record showing that the rolling, 12-month summation of the VOC emissions from the coatings and cleanup materials from emissions units R001, R002, R003, and Z001 combined exceeded 24.9 tons and the actual VOC emissions for each such 12-month period. The permittee shall identify the cause for the emission exceedance and any corrective action taken. The notification shall include a copy of such record and shall be sent to SEDO within 30 days after the event occurs.
- 5. During the first 12 months after startup, the permittee shall notify SEDO, in writing, of any record showing that the cumulative total VOC emissions from all the coatings and cleanup materials employed in emissions units R001, R002, R003, and Z001, combined, since startup, exceeded the value from the table in Section B.4 for that time period.

## **E. Testing Requirements**

- 1. Compliance with the allowable emission limitations in Section A. of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emissions Limitation:  
8.0 pounds per hour of OC emissions for each day that photochemically reactive materials are employed.  
  
Applicable Compliance Method:  
Compliance shall be determined by the daily values calculated in C.2.f. based upon the record keeping specified in Section C.2.

- b. Emissions Limitation:  
40.0 pounds per day of OC emissions for each day that photochemically reactive materials are employed.

Applicable Compliance Method:  
Compliance shall be determined by the daily values calculated in C.2.d. based upon the record keeping specified in Section C.2.

- c. Emissions Limitation:  
14.0 pounds VOC emissions per hour for each day that photochemically reactive materials are not employed.

Applicable Compliance Method:  
Compliance shall be determined by the daily values calculated in C.3.g. based on the record keeping specified in Section C.3.

- d. Emissions Limitation:  
The VOC emissions from all the coatings and cleanup materials for emissions units R001, R002, R003, and Z001 (Paint Booth), combined, shall not exceed 24.9 tons per rolling, 12-month period.

Applicable Compliance Method:  
Compliance shall be determined by the value recorded in C.4.e. based on the record keeping as specified in Section C.2, C.3 and C.4.

- e. Emissions Limitation:  
VOC emissions from all the coatings and cleanup materials for this emissions unit shall not exceed 24.9 tons per year.

Applicable Compliance Method:  
Compliance shall be determined by the value recorded in C.5. based on the record keeping as specified in Section C.2, C.3 and C.4.

- f. Emissions Limitation:  
Particulate emissions shall not exceed 0.551 pound per hour.

Applicable Compliance Method:  
Compliance shall be determined by the following equation:

$$(\text{maximum usage, gal/hr})(\text{coating density, lb/gal})(\% \text{ solids, by weight})(1 - \text{transfer efficiency})(1 - \text{filter efficiency}) = \text{particulate emissions, lb/hr}$$

- g. Emission Limitation:  
Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average.

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R001**

Applicable Compliance Method:

If required, compliance with this limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A.

2. USEPA Method 24 or formulation data shall be used to determine the VOC contents of the coatings and cleanup materials.

**F. Miscellaneous Requirements**

None

Millcreek Finishing dba Ohio Valley Fini  
 PTI Application: 06-08270  
 Issued: To be entered upon final issuance

Facility ID: 0616000216  
 Emissions Unit ID: R002

## PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

### A. 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 - R002 - Sealer Booth Vented Through Dry Filters

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) emissions from all the coatings and cleanup materials for this emissions unit shall not exceed 24.9 tons per year.  See A.2.b, B.1, and B.2 below.  The requirements of this rule also include compliance with requirements of OAC rule 3745-31-05(C) and OAC rule 3745-21-07(G)(2).
OAC rule 3745-31-05(C) Synthetic Minor to Avoid Title V and MACT applicability	See A.2.c and A.2.e below.
OAC rule 3745-21-07(G)(2)	See A.2.a below.
ORC 3704.03(F)(4) and OAC rule 3745-114	See A.2.d and B.2 below.
OAC rule 3745-17-11	Particulate emissions shall not exceed 0.551 pound per hour.
OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average.

### 2. Additional Terms and Conditions

- Each day that a photochemically reactive material [as defined in OAC 3745-21-01(C)(5)] is employed, the organic compound (OC) emissions from all coatings and from photochemically reactive cleanup or thinner materials shall not exceed 8.0 pounds per hour and 40.0 pound per day. OC emissions from clean up material that is not a photochemically reactive material shall not be included in showing compliance with this limit.

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R002**

- 2.b** On any day during which no photochemically reactive materials [as defined in OAC 3745-21-01(C)(5)] are employed, the VOC emissions from all the coatings shall not exceed 7.8 pounds per hour. [This limit is based upon the maximum application rate of 1.65 gallons per hour.]
- 2.c** The VOC emissions from all the coatings and cleanup materials for emissions units R001, R002, R003, and Z001 (Paint Booth), combined, shall not exceed 24.9 tons per rolling, 12-month period.
- 2.d** The stoddard solvent content of each coating shall not exceed 4.1 pounds per gallon, as applied, for stains, 0.17 pounds per gallon, as applied, for sealers, and 0.18 pounds per gallon, as applied, for topcoats.
- 2.e** The content of any single hazardous air pollutant (HAP)<sup>1</sup> in any coating or cleanup material shall not exceed 36 percent, by weight, of the VOC portion of the coating or cleanup material, as applied. The content of the combined HAPs in any coating or cleanup material shall not exceed 96 percent, by weight, of the VOC portion of the coating or cleanup material, as applied.

<sup>1</sup> A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact. Material Safety Data Sheets or Environmental Data Sheets typically include a listing of the solvents contained in the coatings or cleanup materials.

## **B. Operational Restrictions**

1. All exhaust from the spray booth shall pass through the dry filters whenever this emissions unit is in operation.
2. The hours of operation for this emissions unit shall not exceed 55 hours per week.
3. The weight of organic material in solvent evaporated/used (minus any recovered for disposal), which is equivalent to VOC emissions, shall not exceed 24.9 tons during any rolling, 12-month period from emissions units R001, R002, R003, and Z001 combined.

Compliance with this limitation shall be based upon a rolling, 12-month summation of facility-wide solvent usage, calculated monthly, using the following equation:

Solvent Usage = [Summation (pounds of coatings employed x solvent content of coatings in percent VOC by weight) + (pounds of cleanup solvent employed) for all calendar months] x 0.0005 ton per pound.

4. To ensure enforceability with the annual solvent usage restriction during the first 12 calendar months of operation following startup, the permittee shall not exceed the solvent usage levels specified in the following table for R001, R002, R003, and Z001, combined:

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R002**

Month(s)	Maximum Allowable Solvent Usage (Tons)
1	4.0
1 - 2	8.0
1 - 3	12.0
1 - 4	16.0
1 - 5	20.0
1 - 6	24.0
1 - 7	24.9
1 - 8	24.9
1 - 9	24.9
1 - 10	24.9
1 - 11	24.9
1 - 12	24.9

After the first 12 calendar months of operation following issuance of this permit, compliance with the annual solvent usage restriction shall be based upon a rolling, 12-month summation of the monthly solvent usage (emission) figures maintained in C.4 below.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records that document all time periods when the dry filters were not in service when the emissions unit was in operation.
2. The permittee shall collect and record the following information for each day during which any photochemically reactive material is employed in this emissions unit:
  - a. the company identification for each coating and photochemically reactive cleanup material employed;
  - b. the number of gallons of each coating and photochemically reactive cleanup material employed minus the number of gallons of each coating and photochemically reactive cleanup material recovered for disposal;

- c. the OC content of each coating and photochemically reactive cleanup material, in pounds OC per gallon;
- d. the total emissions rate for all the coatings and photochemically reactive cleanup materials, in pounds OC per day;
- e. the total number of hours the emissions unit was in operation;
- f. the average hourly OC emission rate for all the coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
- g. the VOC content of each coating and photochemically reactive cleanup material, in pounds VOC per gallon; and
- h. the total emissions rate for all coatings and photochemically reactive cleanup materials, in pounds VOC per day.

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

3. The permittee shall collect and record the following information for each day during which no photochemically reactive materials are employed in this emissions unit:
  - a. the company identification for each coating or cleanup material employed;
  - b. documentation on whether or not each material employed (coating and cleanup) was a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5);
  - c. the VOC content of each coating, in lbs/gallon, as applied;
  - d. the number of gallons of each coating employed minus the number of gallons of each coating recovered for disposal;
  - e. the total VOC emissions from all the coatings employed, in lbs/day, i.e., sum of (c) times (d);
  - f. the total number of hours the emissions unit was in operation; and
  - g. the average hourly VOC emission rate for all the coatings, i.e., (e)/(f), in lbs/hr.
4. The permittee shall collect and record the following information for each month for the emissions unit:

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R002**

- a. the number of gallons of each non-photochemically reactive cleanup material employed minus the number of gallons of cleanup material recovered for disposal;
  - b. the VOC content of each non-photochemically cleanup material, in lbs/gallon;
  - c. the total VOC emissions from all non-photochemically reactive cleanup materials employed, in lbs/month, i.e., sum of (b) times (a);
  - d. the actual VOC emissions from all the coatings and cleanup materials employed, in tons [i.e., (the summation of the daily VOC emissions, from section C.2.h, for the calendar month + the summation of the daily VOC emissions, from section C.3.e, for the calendar month + the monthly non-photochemically reactive cleanup material VOC emission from section C.4.c) divided by 2000 lbs/ton]; and
  - e. during the first 12 months after the startup of emissions unit R001, R002 or R003, the cumulative total VOC emissions from all the coatings and cleanup materials employed in emissions units R001, R002, R003, and Z001, combined, since startup; thereafter, the rolling, 12-month summation of total VOC emissions from all the coatings and cleanup materials employed in emissions units R001, R002, R003, and Z001 combined (calculated by adding the current month's VOC emissions to the VOC emissions for the preceding 11 months).
5. The permittee shall calculate and record the total VOC emissions for all the coatings and cleanup materials employed, in tons, for each calendar year from this emissions unit.
  6. The permittee shall maintain records of the stoddard solvent emissions, in pounds per day, the actual single HAP content and the combined HAPs content for each coating and cleanup material, in percent by weight of the VOC portion of the coating or cleanup material, as applied, (i.e., the pounds of HAP per gallon divided by the pounds of VOC per gallon).
  7. The permittee shall record each week the total number of hours the emissions unit was in operation; i.e., sum of (2.e plus 3.f) for the week.
  8. The permit to install for these emissions units, R001, R002, R003, and Z001, combined, was evaluated based on the actual materials and the design parameters of the emissions units' exhaust system, as specified by the permittee in the permit application. The Ohio EPA's "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to these emissions units for each toxic air contaminant listed in OAC 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant emitted at over one ton per year using an air dispersion model such as SCREEN 3.0, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration results from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC),

calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

- a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour work week, for each toxic compound emitted from the emissions units (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):
  - i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or
  - ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.
- b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).
- c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "X" hours per day and "Y" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

$$\frac{TLV}{10} \times \frac{8}{X} \times \frac{5}{Y} = 4 \frac{TLV}{XY} = MAGLC$$

- d. The following summarizes the results of dispersion modeling for the "worst case" toxic contaminant:

Compound: stoddard solvent

TLV (mg/m3): 100

Maximum Hourly Emission Rate (lbs/hr): 9.60 (emissions units combined)

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R002**

Predicted 1-Hour Maximum Ground-Level  
Concentration (ug/m3): 41419

Adjusted\* MAGLC (ug/m3): 41643

\*Adjusted refers to basing the calculation on 55 hr/week, per ORC 3704.03(F)(4) and OAC rule 3745-114.

The permittee, having demonstrated that emissions of stoddard solvent are estimated to be equal or greater than eighty per cent, but less than 100 per cent of the maximum acceptable ground level concentration (MAGLC), shall not operate the emissions unit(s) at a rate that would exceed the toxic compound content limit and/or restricted hours of operations, as allowed in this permit; and any new raw material or processing agent shall not be applied without evaluating each component toxic contaminant in accordance with ORC 3704.03(F).

9. Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration", the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:
  - a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;
  - b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC 3745-114-01, that was modeled from the initial (or last) application; and
  - c. physical changes to the emissions unit(s) or its/their exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Toxic Air Contaminant Statute" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the ORC 3704.03(F), the statute, has been documented. If the change(s) meet(s) the definition of a "modification" or if a new toxic is emitted, or the modeled toxic(s) is/are expected to exceed the previous permitted level(s), then the permittee shall apply for and obtain a final permit-to-install prior to the change. The director may consider any significant departure from the operations of the emissions unit, described in the permit-to-install application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground

level concentration; and may require the permittee to submit a permit-to-install application for the increased emissions.

10. The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute":
  - a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);
  - b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with ORC 3704.03(F);
  - c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and
  - d. the documentation of the initial evaluation of compliance with ORC 3704.03(F) and documentation of any determination that was conducted to reevaluate compliance due to a change made to the emissions unit(s) or the materials applied.

#### **D. Reporting Requirements**

1. The permittee shall notify the Director in writing of any daily record showing that the dry filters were 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 Ohio EPA, Southeast District Office within 30 days after the event occurs.
2. The permittee submit quarterly deviation reports that identify:
  - a. for the days during which a photochemically reactive material was employed, each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8.0 pounds per hour and/or 40.0 pounds per day, and the actual OC emissions for each such incidence;
  - b. for the days during which a photochemically reactive material was not employed, each day during which the average VOC emissions from the coatings and cleanup materials exceeded 7.8 pounds per hour, and the actual average VOC emissions for each such day;
  - c. any week during which the hours of operation of the emissions unit exceeded 55; and

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R002**

- d. all exceedances of the stoddard solvent emission limitation specified above for each day, and the actual stoddard solvent emissions for each such day; and
- e. all exceedances of the single HAP and/or combined HAPs content limitation specified above for each coating or cleanup material, as applied, and the actual HAP contents of each such coating or cleanup material.

The quarterly reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

- 3. The permittee shall submit annual reports that summarize the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
- 4. The permittee shall notify SEDO, in writing, of any record showing that the rolling, 12-month summation of the VOC emissions from the coatings and cleanup materials from emissions units R001, R002, R003, and Z001 combined exceeded 24.9 tons and the actual VOC emissions for each such 12-month period. The permittee shall identify the cause for the emission exceedance and any corrective action taken. The notification shall include a copy of such record and shall be sent to SEDO within 30 days after the event occurs.
- 5. During the first 12 months after startup, the permittee shall notify SEDO, in writing, of any record showing that the cumulative total VOC emissions from all the coatings and cleanup materials employed in emissions units R001, R002, R003, and Z001, combined, since startup, exceeded the value from the table in Section B.4 for that time period.

## **E. Testing Requirements**

- 1. Compliance with the allowable emission limitations in Section A. of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emissions Limitation:  
8.0 pounds per hour of OC emissions for each day that photochemically reactive materials are employed.  
  
Applicable Compliance Method:  
Compliance shall be determined by the daily values calculated in C.2.f. based upon the record keeping specified in Section C.2.

- b. Emissions Limitation:  
40.0 pounds per day of OC emissions for each day that photochemically reactive materials are employed.

Applicable Compliance Method:  
Compliance shall be determined by the daily values calculated in C.2.d. based upon the record keeping specified in Section C.2.

- c. Emissions Limitation:  
7.8 pounds VOC emissions per hour for each day that photochemically reactive materials are not employed.

Applicable Compliance Method:  
Compliance shall be determined by the daily values calculated in C.3.g. based on the record keeping specified in Section C.3.

- d. Emissions Limitation:  
The VOC emissions from all the coatings and cleanup materials for emissions units R001, R002, R003, and Z001 (Paint Booth), combined, shall not exceed 24.9 tons per rolling, 12-month period.

Applicable Compliance Method:  
Compliance shall be determined by the value recorded in C.4.e. based on the record keeping as specified in Section C.2, C.3 and C.4.

- e. Emissions Limitation:  
VOC emissions from all the coatings and cleanup materials for this emissions unit shall not exceed 24.9 tons per year.

Applicable Compliance Method:  
Compliance shall be determined by the value recorded in C.5. based on the record keeping as specified in Section C.2, C.3 and C.4.

- f. Emissions Limitation:  
Particulate emissions shall not exceed 0.551 pound per hour.

Applicable Compliance Method:  
Compliance shall be determined by the following equation:

$(\text{maximum usage, gal/hr})(\text{coating density, lb/gal})(\% \text{ solids, by weight})(1 - \text{transfer efficiency})(1 - \text{filter efficiency}) = \text{particulate emissions, lb/hr}$

- g. Emission Limitation:  
Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average.

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R002**

Applicable Compliance Method:

If required, compliance with this limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A.

2. USEPA Method 24 or formulation data shall be used to determine the VOC contents of the coatings and cleanup materials.

**F. Miscellaneous Requirements**

None

## PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

### A. Applicable Emissions Limitations and/or Control Requirements

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

#### Operations, Property, and/or Equipment - R003 - Topcoat Booth Vented Through Dry Filters

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p>The volatile organic compound (VOC) emissions from all the coatings and cleanup materials for this emissions unit shall not exceed 24.9 tons per year.</p> <p>See A.2.b, B.1, and B.2 below.</p> <p>The requirements of this rule also include compliance with requirements of OAC rule 3745-31-05(C) and OAC rule 3745-21-07(G)(2).</p>
OAC rule 3745-31-05(C) Synthetic Minor to Avoid Title V and MACT applicability	See A.2.c and A.2.e below.
OAC rule 3745-21-07(G)(2)	See A.2.a below.
ORC 3704.03(F)(4) and OAC rule 3745-114	See A.2.d and B.2 below.
OAC rule 3745-17-11	Particulate emissions shall not exceed 0.551 pound per hour.
OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average.

### 2. Additional Terms and Conditions

- 2.a Each day that a photochemically reactive material [as defined in OAC 3745-21-01(C)(5)] is employed, the organic compound (OC) emissions from all coatings and from photochemically reactive cleanup or thinner materials shall not exceed 8.0 pounds per hour and 40.0 pound per day. OC emissions from clean up material that is not a photochemically reactive material shall not be included in showing compliance with this limit.

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R003**

- 2.b** On any day during which no photochemically reactive materials [as defined in OAC 3745-21-01(C)(5)] are employed, the VOC emissions from all the coatings shall not exceed 8.6 pounds per hour. [This limit is based upon the maximum application rate of 1.65 gallons per hour.]
- 2.c** The VOC emissions from all the coatings and cleanup materials for emissions units R001, R002, R003, and Z001 (Paint Booth), combined, shall not exceed 24.9 tons per rolling, 12-month period.
- 2.d** The stoddard solvent content of each coating shall not exceed 4.1 pounds per gallon, as applied, for stains, 0.17 pounds per gallon, as applied, for sealers, and 0.18 pounds per gallon, as applied, for topcoats.
- 2.e** The content of any single hazardous air pollutant (HAP)<sup>1</sup> in any coating or cleanup material shall not exceed 36 percent, by weight, of the VOC portion of the coating or cleanup material, as applied. The content of the combined HAPs in any coating or cleanup material shall not exceed 96 percent, by weight, of the VOC portion of the coating or cleanup material, as applied.

<sup>1</sup> A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact. Material Safety Data Sheets or Environmental Data Sheets typically include a listing of the solvents contained in the coatings or cleanup materials.

## **B. Operational Restrictions**

- 1. All exhaust from the spray booth shall pass through the dry filters whenever this emissions unit is in operation.
- 2. The hours of operation for this emissions unit shall not exceed 55 hours per week.
- 3. The weight of organic material in solvent evaporated/used (minus any recovered for disposal), which is equivalent to VOC emissions, shall not exceed 24.9 tons during any rolling, 12-month period from emissions units R001, R002, R003, and Z001 combined.

Compliance with this limitation shall be based upon a rolling, 12-month summation of facility-wide solvent usage, calculated monthly, using the following equation:

Solvent Usage = [Summation (pounds of coatings employed x solvent content of coatings in percent VOC by weight) + (pounds of cleanup solvent employed) for all calendar months] x 0.0005 ton per pound.

- 4. To ensure enforceability with the annual solvent usage restriction during the first 12 calendar months of operation following startup, the permittee shall not exceed the solvent usage levels specified in the following table for R001, R002, R003, and Z001, combined:

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R003**

Month(s)	Maximum Allowable Solvent Usage (Tons)
1	4.0
1 - 2	8.0
1 - 3	12.0
1 - 4	16.0
1 - 5	20.0
1 - 6	24.0
1 - 7	24.9
1 - 8	24.9
1 - 9	24.9
1 - 10	24.9
1 - 11	24.9
1 - 12	24.9

After the first 12 calendar months of operation following issuance of this permit, compliance with the annual solvent usage restriction shall be based upon a rolling, 12-month summation of the monthly solvent usage (emission) figures maintained in C.4 below.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain daily records that document all time periods when the dry filters were not in service when the emissions unit was in operation.
2. The permittee shall collect and record the following information for each day during which any photochemically reactive material is employed in this emissions unit:
  - a. the company identification for each coating and photochemically reactive cleanup material employed;
  - b. the number of gallons of each coating and photochemically reactive cleanup material employed minus the number of gallons of each coating and photochemically reactive cleanup material recovered for disposal;

- c. the OC content of each coating and photochemically reactive cleanup material, in pounds OC per gallon;
- d. the total emissions rate for all the coatings and photochemically reactive cleanup materials, in pounds OC per day;
- e. the total number of hours the emissions unit was in operation;
- f. the average hourly OC emission rate for all the coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average);
- g. the VOC content of each coating and photochemically reactive cleanup material, in pounds VOC per gallon; and
- h. the total emissions rate for all coatings and photochemically reactive cleanup materials, in pounds VOC per day.

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

3. The permittee shall collect and record the following information for each day during which no photochemically reactive materials are employed in this emissions unit:
  - a. the company identification for each coating or cleanup material employed;
  - b. documentation on whether or not each material employed (coating and cleanup) was a photochemically reactive material, as defined in OAC rule 3745-21-01(C)(5);
  - c. the VOC content of each coating, in lbs/gallon, as applied;
  - d. the number of gallons of each coating employed minus the number of gallons of each coating recovered for disposal;
  - e. the total VOC emissions from all the coatings employed, in lbs/day, i.e., sum of (c) times (d);
  - f. the total number of hours the emissions unit was in operation; and
  - g. the average hourly VOC emission rate for all the coatings, i.e., (e)/(f), in lbs/hr.
4. The permittee shall collect and record the following information for each month for the emissions unit:

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R003**

- a. the number of gallons of each non-photochemically reactive cleanup material employed minus the number of gallons of cleanup material recovered for disposal;
  - b. the VOC content of each non-photochemically cleanup material, in lbs/gallon;
  - c. the total VOC emissions from all non-photochemically reactive cleanup materials employed, in lbs/month, i.e., sum of (b) times (a);
  - d. the actual VOC emissions from all the coatings and cleanup materials employed, in tons [i.e., (the summation of the daily VOC emissions, from section C.2.h, for the calendar month + the summation of the daily VOC emissions, from section C.3.e, for the calendar month + the monthly non-photochemically reactive cleanup material VOC emission from section C.4.c) divided by 2000 lbs/ton]; and
  - e. during the first 12 months after the startup of emissions unit R001, R002 or R003, the cumulative total VOC emissions from all the coatings and cleanup materials employed in emissions units R001, R002, R003, and Z001, combined, since startup; thereafter, the rolling, 12-month summation of total VOC emissions from all the coatings and cleanup materials employed in emissions units R001, R002, R003, and Z001 combined (calculated by adding the current month's VOC emissions to the VOC emissions for the preceding 11 months).
5. The permittee shall calculate and record the total VOC emissions for all the coatings and cleanup materials employed, in tons, for each calendar year from this emissions unit.
  6. The permittee shall maintain records of the stoddard solvent emissions, in pounds per day, the actual single HAP content and the combined HAPs content for each coating and cleanup material, in percent by weight of the VOC portion of the coating or cleanup material, as applied, (i.e., the pounds of HAP per gallon divided by the pounds of VOC per gallon).
  7. The permittee shall record each week the total number of hours the emissions unit was in operation; i.e., sum of (2.e plus 3.f) for the week.
  8. The permit to install for these emissions units, R001, R002, R003, and Z001, combined, was evaluated based on the actual materials and the design parameters of the emissions units' exhaust system, as specified by the permittee in the permit application. The Ohio EPA's "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to these emissions units for each toxic air contaminant listed in OAC 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant emitted at over one ton per year using an air dispersion model such as SCREEN 3.0, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration results from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC),

calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

- a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour work week, for each toxic compound emitted from the emissions units (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):
  - i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or
  - ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.
- b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).
- c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "X" hours per day and "Y" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

$$\frac{TLV}{10} \times \frac{8}{X} \times \frac{5}{Y} = 4 \frac{TLV}{XY} = MAGLC$$

- d. The following summarizes the results of dispersion modeling for the "worst case" toxic contaminant:

Compound: stoddard solvent

TLV (mg/m<sup>3</sup>): 100

Maximum Hourly Emission Rate (lbs/hr): 9.60 (emissions units combined)

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R003**

Predicted 1-Hour Maximum Ground-Level  
Concentration (ug/m3): 41419

Adjusted\* MAGLC (ug/m3): 41643

\*Adjusted refers to basing the calculation on 55 hr/week, per ORC 3704.03(F)(4) and OAC rule 3745-114.

The permittee, having demonstrated that emissions of stoddard solvent are estimated to be equal or greater than eighty per cent, but less than 100 per cent of the maximum acceptable ground level concentration (MAGLC), shall not operate the emissions unit(s) at a rate that would exceed the toxic compound content limit and/or restricted hours of operations, as allowed in this permit; and any new raw material or processing agent shall not be applied without evaluating each component toxic contaminant in accordance with ORC 3704.03(F).

9. Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration", the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:
  - a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;
  - b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC 3745-114-01, that was modeled from the initial (or last) application; and
  - c. physical changes to the emissions unit(s) or its/their exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Toxic Air Contaminant Statute" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the ORC 3704.03(F), the statute, has been documented. If the change(s) meet(s) the definition of a "modification" or if a new toxic is emitted, or the modeled toxic(s) is/are expected to exceed the previous permitted level(s), then the permittee shall apply for and obtain a final permit-to-install prior to the change. The director may consider any significant departure from the operations of the emissions unit, described in the permit-to-install application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground

level concentration; and may require the permittee to submit a permit-to-install application for the increased emissions.

10. The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute":
  - a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);
  - b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with ORC 3704.03(F);
  - c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and
  - d. the documentation of the initial evaluation of compliance with ORC 3704.03(F) and documentation of any determination that was conducted to reevaluate compliance due to a change made to the emissions unit(s) or the materials applied.

#### **D. Reporting Requirements**

1. The permittee shall notify the Director in writing of any daily record showing that the dry filters were 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 Ohio EPA, Southeast District Office within 30 days after the event occurs.
2. The permittee submit quarterly deviation reports that identify:
  - a. for the days during which a photochemically reactive material was employed, each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 8.0 pounds per hour and/or 40.0 pounds per day, and the actual OC emissions for each such incidence;
  - b. for the days during which a photochemically reactive material was not employed, each day during which the average VOC emissions from the coatings and cleanup materials exceeded 8.6 pounds per hour, and the actual average VOC emissions for each such day;

- c. any week during which the hours of operation of the emissions unit exceeded 55;
- d. all exceedances of the stoddard solvent emission limitation specified above for each day, and the actual stoddard solvent emissions for each such day; and
- e. all exceedances of the single HAP and/or combined HAPs content limitation specified above for each coating or cleanup material, as applied, and the actual HAP contents of each such coating or cleanup material.

The quarterly reports shall be submitted in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit.

- 3. The permittee shall submit annual reports that summarize the actual annual VOC emissions from this emissions unit. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
- 4. The permittee shall notify SEDO, in writing, of any record showing that the rolling, 12-month summation of the VOC emissions from the coatings and cleanup materials from emissions units R001, R002, R003, and Z001 combined exceeded 24.9 tons and the actual VOC emissions for each such 12-month period. The permittee shall identify the cause for the emission exceedance and any corrective action taken. The notification shall include a copy of such record and shall be sent to SEDO within 30 days after the event occurs.
- 5. During the first 12 months after startup, the permittee shall notify SEDO, in writing, of any record showing that the cumulative total VOC emissions from all the coatings and cleanup materials employed in emissions units R001, R002, R003, and Z001, combined, since startup, exceeded the value from the table in Section B.4 for that time period.

## **E. Testing Requirements**

- 1. Compliance with the allowable emission limitations in Section A. of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emissions Limitation:  
8.0 pounds per hour of OC emissions for each day that photochemically reactive materials are employed.  
  
Applicable Compliance Method:  
Compliance shall be determined by the daily values calculated in C.2.f. based upon the record keeping specified in Section C.2.
  - b. Emissions Limitation:  
40.0 pounds per day of OC emissions for each day that photochemically reactive materials are employed.

Applicable Compliance Method:

Compliance shall be determined by the daily values calculated in C.2.d. based upon the record keeping specified in Section C.2.

- c. Emissions Limitation:  
8.6 pounds VOC emissions per hour for each day that photochemically reactive materials are not employed.

Applicable Compliance Method:

Compliance shall be determined by the daily values calculated in C.3.g. based on the record keeping specified in Section C.3.

- d. Emissions Limitation:  
The VOC emissions from all the coatings and cleanup materials for emissions units R001, R002, R003, and Z001 (Paint Booth), combined, shall not exceed 24.9 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be determined by the value recorded in C.4.e. based on the record keeping as specified in Section C.2, C.3 and C.4.

- e. Emissions Limitation:  
VOC emissions from all the coatings and cleanup materials for this emissions unit shall not exceed 24.9 tons per year.

Applicable Compliance Method:

Compliance shall be determined by the value recorded in C.5. based on the record keeping as specified in Section C.2, C.3 and C.4.

- f. Emissions Limitation:  
Particulate emissions shall not exceed 0.551 pound per hour.

Applicable Compliance Method:

Compliance shall be determined by the following equation:

$$(\text{maximum usage, gal/hr})(\text{coating density, lb/gal})(\% \text{ solids, by weight})(1 - \text{transfer efficiency})(1 - \text{filter efficiency}) = \text{particulate emissions, lb/hr}$$

- g. Emission Limitation:  
Visible particulate emissions from the stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average.

Applicable Compliance Method:

If required, compliance with this limitation shall be determined using Method 9 of 40 CFR, Part 60, Appendix A.

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**  
**Emissions Unit ID: R003**

2. USEPA Method 24 or formulation data shall be used to determine the VOC contents of the coatings and cleanup materials.

**F. Miscellaneous Requirements**

None

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**

SIC CODE 2511 SCC CODE 20200102 EMISSIONS UNIT ID P001

EMISSIONS UNIT DESCRIPTION 96 HP John Deere Diesel Engine

DATE INSTALLED After PTI

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.310 lb PE/MMBtu	0.93	0.310 lb PE/MMBtu	0.93
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides		2.98 lb/hr	13.04	2.98 lb/hr	13.04
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? no NESHAP? no PSD? no OFFSET POLICY? no

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?  
**Diesel fuel < 0.5% S.**

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ \_\_\_\_\_

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES X NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**

SIC CODE 2511 SCC CODE 40200101 EMISSIONS UNIT ID R001

EMISSIONS UNIT DESCRIPTION Stains Booth Vented Through Dry Filters

DATE INSTALLED After PTI

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds	Attainment	14.0 lbs/hr (NPRM) 8 lbs/hr (PRM)	24.9 tpy all booths	14.0 lbs/hr (NPRM) 8 lbs/hr (PRM)	24.9 tpy all booths
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: HAP					9.0/24.0

APPLICABLE FEDERAL RULES:

NSPS? no NESHAP? no PSD? no OFFSET POLICY? no

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

14.0 lbs VOC/hr, Compliance with air toxics policy, 24.9 tpy VOC from all booths, Filters

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ \_\_\_\_\_

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? X YES        NO

IDENTIFY THE AIR CONTAMINANTS: Stoddard solvent

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**

SIC CODE 2511 SCC CODE 40200101 EMISSIONS UNIT ID R002

EMISSIONS UNIT DESCRIPTION Sealer Booth Vented Through Dry Filters

DATE INSTALLED After PTI

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds	Attainment	7.8 lbs/hr (NPRM) 8 lbs/hr (PRM)	24.9 tpy all booths	7.8 lbs/hr (NPRM) 8 lbs/hr (PRM)	24.9 tpy all booths
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: HAP					9.0/24.0

APPLICABLE FEDERAL RULES:

NSPS? no NESHAP? no PSD? no OFFSET POLICY? no

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

7.8 lbs VOC/hr, Compliance with air toxics policy, 24.9 tpy VOC from all booths, Filters

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ \_\_\_\_\_

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? X YES        NO

IDENTIFY THE AIR CONTAMINANTS: Stoddard solvent

**Millcreek Finishing dba Ohio Valley Fini**  
**PTI Application: 06-08270**  
**Issued: To be entered upon final issuance**

**Facility ID: 0616000216**

SIC CODE 2511 SCC CODE 40200101 EMISSIONS UNIT ID R003

EMISSIONS UNIT DESCRIPTION Topcoat Booth Vented Through Dry Filters

DATE INSTALLED After PTI

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds	Attainment	8.6 lbs/hr (NPRM) 8 lbs/hr (PRM)	24.9 tpy all booths	8.6 lbs/hr (NPRM) 8 lbs/hr (PRM)	24.9 tpy all booths
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: HAP					9.0/24.0

APPLICABLE FEDERAL RULES:

NSPS? no NESHAP? no PSD? no OFFSET POLICY? no

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

8.6 lbs VOC/hr, Compliance with air toxics policy, 24.9 tpy VOC from all booths, Filters

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ \_\_\_\_\_

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? X YES        NO

IDENTIFY THE AIR CONTAMINANTS: Stoddard solvent