

Facility ID: 0204010396 Issuance type: Title V Preliminary Proposed Permit

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part III" and before "I. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. None

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b State Only Enforceable Section

1. The following insignificant emissions unit is located at this facility:

Z002 Air Makeup Heater

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a Permit to Install for the emissions unit.

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- [Go to Part III for Emissions Unit P002](#)
- [Go to Part III for Emissions Unit R001](#)
- [Go to Part III for Emissions Unit R002](#)
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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204010396 Emissions Unit ID: P001 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Saws, sanders and 'Exhaust-O-Bench' workbench-exhaust chamber with baffle & filter.	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed twenty percent opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(1)	Emissions of particulate matter shall not exceed 0.99 pound per hour.

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to eliminate the visible emissions.

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IV. Reporting Requirements

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible

particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Ohio EPA, Northeast District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission limitation-
0.99 lb particulate matter per hour

Applicable Compliance Method-
To determine the actual worst case emission rate for particulate matter the permittee shall employ the following:

 $E = P \times EF \times (1 - CE)$

Where: E = the particulate matter emissions, in pounds per hour.

P = the maximum production rate, in pounds of molded products trimmed per hour.

EF = emission factor for uncontrolled PM emissions, which is 0.005 pound of uncontrolled PM emissions per pound of product trimmed, as determined by in-house mass balance studies.

CE = efficiency of control equipment.
 - b. Emission Limitation-
twenty percent opacity as a six-minute average, except as provided by rule

Applicable Compliance Method-
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in U. S. EPA Reference Method 9.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204010396 Emissions Unit ID: P001 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

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

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Saws, sanders and 'Exhaust-O-Bench' workbench-exhaust chamber with baffle & filter.	OAC rule 3745-31-05 PTI 02-7921	Emissions of particulate matter (PM) shall not exceed 0.01 grain per dry standard cubic foot of exhaust gases and 1.36 tons per year. Visible particulate matter emissions from any stack shall not exceed zero percent opacity, as a six-minute average.

2. **Additional Terms and Conditions**

- a. The baffle/filter system installed on this emissions unit for the control of particulate matter shall be operated and maintained in accordance with the manufacturer's specifications, instructions and operating manual (s).

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II. **Operational Restrictions**

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section B.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
- a. Emission Limitation-
0% visible emission opacity limit, as a six-minute average
- Applicable Compliance Method-
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in U. S. EPA Reference Method 9.
- b. Emission Limitation-
0.01 grain of particulate matter per dry standard cubic foot of exhaust gases
- Applicable Compliance Method-
To determine the actual worst case emission rate for particulate matter in grains per dry standard cubic foot of exhaust gases, the following equation shall be used:
- $$E = P \times EF \times (1 - CE) \times 7000 \text{ grains PM/lb PM} \times 1/(\text{MDSCF/min.}) \times \text{hr}/60 \text{ min.}$$
- Where: E = the particulate matter emissions, in grain per dry standard cubic foot of exhaust gases.
P = the maximum production rate, of 192 pounds of molded products trimmed per hour.
EF = emission factor for uncontrolled PM emissions, which is 0.005 pound of uncontrolled PM emissions per pound of product trimmed, as determined by in-house mass balance studies.
CE = efficiency of control equipment, which is 99% as stated in the application.
MDSCF/min. = maximum exhaust flow, of 3,600 dry standard cubic foot per minute.
- c. Emission Limitation-
1.36 tons of particulate matter emissions per year
- Applicable Compliance Method-
To determine the actual worst case emission rate for particulate matter in tons per year, the following equation shall be used:
- $$E = P \times EF \times (1 - CE) \times 1 \text{ ton PM}/2000 \text{ lbs PM}$$
- Where: E = the annual particulate matter emissions, in tons per year.
P = the total weight of molded products made, in pounds per year.
EF = emission factor for uncontrolled PM emissions, which is 0.005 pound of uncontrolled PM emissions per pound of product, as determined by in-house mass balance studies.
CE = efficiency of control equipment, which is 99% as stated in the application.

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204010396 Emissions Unit ID: P002 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

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

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Solvent wiping of fiberglass reinforced plastic parts.	OAC rule 3745-21-07 (G)	See 2.a below.
2. Additional Terms and Conditions		
a. This emissions unit is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2), provided it meets the following conditions:		
(a)		
i. the volatile content of the material employed does not exceed 20%, by volume of said material; and		
ii. the volatile content is not a photochemically reactive material, as defined in OAC rule 3745-21-01(C).		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information each month:
 - a. The volatile content of each material employed, in %, by volume.
 - b. Whether or not the volatile content of each material employed is a photochemically reactive material.

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IV. **Reporting Requirements**

1. In accordance with paragraph A.1.c of the General Terms and Conditions, the permittee shall submit deviation reports which identify the following information:
 - a. Any month during which the volatile content of any material employed exceeded 20%, by volume, and the actual volatile content of said material.
 - b. Any month during which the volatile content of any material employed is a photochemically reactive material.

Each report shall identify the cause for the deviation and the actual total quantity of organic compounds emitted during each such month, in pounds, as well as the hours and days of operation.

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V. **Testing Requirements**

1. The permittee shall use formulation data provided by the solvent manufacturer or Method 24 (40 CFR Part 60, Appendix A) to determine the volatile content of each material employed in this emissions unit.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204010396 Emissions Unit ID: P002 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

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

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Solvent wiping of fiberglass reinforced plastic parts.	OAC rule 3745-31-05 PTI 02-10278	Emissions of organic compounds (OC) shall not exceed 54 pounds per day and 9.8 tons per year. See B.I.2.a. below.

2. **Additional Terms and Conditions**

- a. The permittee shall employ the following practices to minimize waste and limit air contaminant emissions:
 1.
 - i. employ self-closing containers at each work station;
 - ii. transfer raw material from large raw material drum(s) to work station container(s) through a closed tube;
 - iii. train employees to wipe parts efficiently with adequate amounts of solvent; and
 - iv. employ alternate cleaning procedures (i. e., vacuuming dust off the parts or dry wiping of parts with a tack cloth) whenever possible.

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for the cleanup operation:
 - a. the company identification for each cleanup material employed;
 - b. the organic compound content of each cleanup material, in pounds per gallon;
 - c. the volume of each cleanup material dispensed from each work station, in gallons;

- d. the volume of each cleanup material returned from each work station, (i.e., (c)-(d)), in gallons;
- e. the volume of each evaporated cleanup material from each work station, which is estimated by subtracting the volume of returned cleanup material from the dispensed volume, in gallons;
- f. the total volume of each evaporated cleanup material from all work stations, in gallons;
- g. the organic compound emission rate for each cleanup material, (i.e., (f) x (b)), in pounds; and
- h. the total organic compound emission rate for all cleanup materials, in pounds.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Ohio EPA, Northeast District Office which identify each day during which the daily organic compound emission rate exceeded 54 pounds, and the actual, daily total organic compound emission rate in pounds for each such day.
2. The permittee shall also submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
54 pounds of organic compound emissions per day

Applicable Compliance Method-
To calculate emissions for purposes of determining compliance, the permittee shall employ the following formula(s):
 - i. $E_i = V_i \times OC_i$

Where: i = subscript denoting a specific cleanup material employed.

 E_i = the organic compound emissions for cleanup material i, in pounds per day.

 V_i = the total volume of each evaporated cleanup material i from all work stations, as specified in section B. III. 1. f., in gallons per day.

 OC_i = the organic compound content of cleanup material i, in pounds per gallon.
 - ii. total organic compound emission rate for all cleanup materials, which is calculated by summing the daily organic compound emissions from each cleanup material, in pounds per day.
 - b. Emission Limitation-
9.8 tons of organic compound emissions per year

Applicable Compliance Method-
The total annual organic compound emission rate is calculated by summing the total, daily organic compound emissions and then dividing the sum by 2000 pounds per ton.
2. Formulation data or Method 24 (40 CFR Part 60, Appendix A) shall be used to determine the organic compound contents of the cleanup materials employed in the emissions unit.

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VI. Miscellaneous Requirements

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204010396 Emissions Unit ID: R001 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Spray layup molding of polyester resin mixes and gelcoat mixes to make fiberglass reinforced plastic parts, station 1	OAC rule 3745-21-07(G)(2)	Emissions of organic material shall not exceed 8 pounds per hour and 40 pounds per day from the spray layup operations.
2. Additional Terms and Conditions		
a. The emissions of organic material from the spray layup operations consist of styrene only.		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the spray layup operations:
 - a. the company identification for each layup material (i.e., polyester resin mix or gelcoat mix) employed.
 - b. an identification of whether vapor suppressed or non-vapor suppressed polyester resin mix was employed.
 - c. the number of pounds of each layup material employed.
 - d. the styrene content of each layup material, in percent by weight.
 - e. the actual number of hours the emissions unit was in operation.
 - f. the total organic compound emission rate for all layup materials, in pounds per day.
 - g. the average hourly organic compound emission rate for all layup materials, (i.e., (f)/(e)), in pounds per hour (average).

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Ohio EPA, Northeast District Office which include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the layup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - b. an identification of each day during which the organic compound emissions from the layup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
40 lbs/day of organic compound emissions from the layup materials

Applicable Compliance Method-

To calculate emissions for purposes of determining compliance, the permittee shall employ the following formula (s):

i. $E(\text{daily})_i = W_i \times EFi$

Where: i = subscript denoting a specific layup material employed.

$E(\text{daily})_i$ = the daily organic compound emissions from layup material i, in pounds per day.

W_i = the weight of layup material i employed, in pounds per day.

EF_i = the emission factor for styrene emissions for layup material i, based on the styrene content, as noted in Table 2.16 of CFA Emission Models for the Reinforced Plastics Industries, Feb. 1998.

ii. total organic compound emission rate for all layup materials, which is calculated by summing the daily organic compound emissions from each layup material, in pounds per day.

- b. Emission Limitation-
8 lbs/hr of organic compound emissions from the layup materials

Applicable Compliance Method-

To calculate emissions for purposes of determining compliance, the permittee shall employ the following formula(s):

$E(\text{average hourly}) = [E(\text{daily})]/\text{HRS}$

Where: $E(\text{hourly,ave.})$ = the average, hourly organic compound emissions, in pounds per hour.

$E(\text{daily})$ = daily organic compound emissions from all layup operations, as specified in Section A.V.1.a.ii.

HRS = the actual number of hours the emissions unit was in operation.

- 2. Formulation data or Method 24 (40 CFR Part 60, Appendix A) shall be used to determine the organic compound contents of the layup materials as employed in the emissions unit.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204010396 Emissions Unit ID: R001 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

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

- 1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Spray layup molding of polyester resin mixes and gelcoat mixes to make fiberglass reinforced plastic parts, station 1	OAC rule 3745-31-05 PTI 02-11618	The organic compound emissions from the cleanup operations shall be limited to 5 pounds per day. The organic compound emissions from all operations shall be limited to 8.21 tons per year. See B.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Only nonphotochemically reactive cleanup materials shall be employed. A photochemically reactive material is defined by OAC rule 3745-21-01(C)(5) and is determined at the time the material is employed.

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the cleanup operations:
 - a. The company identification for each cleanup material employed.
 - b. The number of pounds of each cleanup material employed.
 - c. The total organic compound emission rate for all cleanup materials, in pounds.
2. The permittee shall collect and record the following information for each month for the layup and the cleanup operations:
 - a. The total organic compound emission rate for cleanup materials.
 - b. The total organic compound emission rate for layup materials.
 - c. The total organic compound emission rate from all cleanup materials and layup materials.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Ohio EPA, Northeast District Office which identify each day during which the daily total organic compound emission rate exceeded 5 pounds from the cleanup operations, and the actual, daily total organic compound emission rate in pounds for each such day.
2. The permittee shall also submit annual reports which specify the total organic compound emissions from all operations for the previous calendar year, in tons per year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation - 5 pounds per day of organic compound emissions from the cleanup materials
To calculate emissions from the cleanup operations, the permittee shall employ the following formula(s):
 - i. $E(\text{daily})_i = W_i$
Where: i = subscript denoting a specific cleanup material employed.
 $E(\text{daily})_i$ = the daily organic compound emissions from cleanup material i , in pounds per day.
 W_i = the weight of cleanup material i employed, in pounds per day.
 - ii. total organic compound emission rate for all cleanup materials, which is calculated by summing the daily organic compound emissions from each cleanup material, in pounds per day.
 - b. Emission Limitation-
8.21 tons per year of organic compound emissions from all operations
Applicable Compliance Method-
To calculate emissions for purposes of determining compliance, the permittee shall sum the monthly organic compound emissions from all operations, as specified in Section B.III.2.c., and then divide by 2000 pounds per ton.
2. Formulation data or Method 24 (40 CFR Part 60, Appendix A) shall be used to determine the organic compound contents of the cleanup materials as employed in the emissions unit.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204010396 Emissions Unit ID: R002 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Spray layup molding of polyester resin mixes and gelcoat mixes to make fiberglass reinforced plastic parts, station 2	OAC rule 3745-21-07(G)(2)	Emissions of organic material shall not exceed 8 pounds per hour and 40 pounds per day from the spray layup operations.
2. Additional Terms and Conditions		
a. The emissions of organic material from the spray layup operations consist of styrene only.		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the spray layup operations:
 - a. the company identification for each layup material (i.e., polyester resin mix or gelcoat mix) employed.
 - b. an identification of whether vapor suppressed or non-vapor suppressed polyester resin mix was employed.
 - c. the number of pounds of each layup material employed.
 - d. the styrene content of each layup material, in percent by weight.
 - e. the actual number of hours the emissions unit was in operation.
 - f. the total organic compound emission rate for all layup materials, in pounds per day.
 - g. the average hourly organic compound emission rate for all layup materials, (i.e., (f)/(e)), in pounds per hour (average).

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Ohio EPA, Northeast District Office which include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the layup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - b. an identification of each day during which the organic compound emissions from the layup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
40 lbs/day of organic compound emissions from the layup materials

Applicable Compliance Method-
To calculate emissions for purposes of determining compliance, the permittee shall employ the following formula(s):
 - i. $E(\text{daily})_i = W_i \times EF_i$

Where: i = subscript denoting a specific layup material employed.

 $E(\text{daily})_i$ = the daily organic compound emissions from layup material i, in pounds per day.

 W_i = the weight of layup material i employed, in pounds per day.

 EF_i = the emission factor for styrene emissions for layup material i, based on the styrene content, as noted in Table 2.16 of CFA Emission Models for the Reinforced Plastics Industries, Feb. 1998.
 - ii. total organic compound emission rate for all layup materials, which is calculated by summing the daily organic compound emissions from each layup material, in pounds per day.
 - b. Emission Limitation-
8 lbs/hr of organic compound emissions from the layup materials

Applicable Compliance Method-
To calculate emissions for purposes of determining compliance, the permittee shall employ the following formula(s):

 $E(\text{average hourly}) = [E(\text{daily})]/\text{HRS}$

Where: $E(\text{hourly,ave.})$ = the average, hourly organic compound emissions, in pounds per hour.

 $E(\text{daily})$ = daily organic compound emissions from all layup operations, as specified in Section A.V.1.a.ii.

HRS = the actual number of hours the emissions unit was in operation.
2. Formulation data or Method 24 (40 CFR Part 60, Appendix A) shall be used to determine the organic compound contents of the layup materials as employed in the emissions unit.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204010396 Emissions Unit ID: R002 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

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

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Spray layup molding of polyester resin mixes and gelcoat mixes to make fiberglass reinforced plastic parts, station 2	OAC rule 3745-31-05 PTI 02-11618	The organic compound emissions from the cleanup operations shall be limited to 5 pounds per day. The organic compound emissions from all operations shall be limited to 8.21 tons per year. See B.I.2.a. below.

2. **Additional Terms and Conditions**

a. Only nonphotochemically reactive cleanup materials shall be employed. A photochemically reactive material is defined by OAC rule 3745-21-01(C)(5) and is determined at the time the material is employed.

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for the cleanup operations:
 - a. The company identification for each cleanup material employed.
 - b. The number of pounds of each cleanup material employed.
 - c. The total organic compound emission rate for all cleanup materials, in pounds.
2. The permittee shall collect and record the following information for each month for the layup and the cleanup operations:
 - a. The total organic compound emission rate for cleanup materials.
 - b. The total organic compound emission rate for layup materials.
 - c. The total organic compound emission rate from all cleanup materials and layup materials.

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IV. **Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports to the Ohio EPA, Northeast District Office which identify each day during which the daily total organic compound emission rate exceeded 5 pounds from the cleanup operations, and the actual, daily total organic compound emission rate in pounds for each such day.
2. The permittee shall also submit annual reports which specify the total organic compound emissions from all operations for the previous calendar year, in tons per year. These reports shall be submitted by January 31 of each year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section B.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation - 5 pounds per day of organic compound emissions from the cleanup materials

To calculate emissions from the cleanup operations, the permittee shall employ the following formula(s):

 - i. $E(\text{daily})_i = W_i$

Where: i = subscript denoting a specific cleanup material employed.

$E(\text{daily})_i$ = the daily organic compound emissions from cleanup material i , in pounds per day.

W_i = the weight of cleanup material i employed, in pounds per day.
 - ii. total organic compound emission rate for all cleanup materials, which is calculated by summing the daily organic compound emissions from each cleanup material, in pounds per day.
- b. Emission Limitation-
8.21 tons per year of organic compound emissions from all operations
Applicable Compliance Method-

To calculate emissions for purposes of determining compliance, the permittee shall sum the monthly organic compound emissions from all operations, as specified in Section B.III.2.c., and then divide by 2000 pounds per ton.

2. Formulation data or Method 24 (40 CFR Part 60, Appendix A) shall be used to determine the organic compound contents of the cleanup materials as employed in the emissions unit.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204010396 Emissions Unit ID: R003 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

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

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Spray layup molding of polyester resin mixes and gelcoat mixes to make fiberglass reinforced plastic parts, station 3	OAC rule 3745-21-07(G)(2)	Emissions of organic material shall not exceed 8 pounds per hour and 40 pounds per day from the spray layup operations.
2. Additional Terms and Conditions		
a. The emissions of organic material from the spray layup operations consist of styrene only.		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for the spray layup operations:
 - a. the company identification for each layup material (i.e., polyester resin mix or gelcoat mix) employed.
 - b. an identification of whether vapor suppressed or non-vapor suppressed polyester resin mix was employed.
 - c. the number of pounds of each layup material employed.
 - d. the styrene content of each layup material, in percent by weight.
 - e. the actual number of hours the emissions unit was in operation.
 - f. the total organic compound emission rate for all layup materials, in pounds per day.
 - g. the average hourly organic compound emission rate for all layup materials, (i.e., (f)/(e)), in pounds per hour (average).

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Ohio EPA, Northeast District Office which include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the layup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - b. an identification of each day during which the organic compound emissions from the layup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
40 lbs/day of organic compound emissions from the layup materials

Applicable Compliance Method-
To calculate emissions for purposes of determining compliance, the permittee shall employ the following formula(s):
 - i. $E(\text{daily})_i = W_i \times EFi$
Where: i = subscript denoting a specific layup material employed.
 $E(\text{daily})_i$ = the daily organic compound emissions from layup material i, in pounds per day.
 W_i = the weight of layup material i employed, in pounds per day.

 EF_i = the emission factor for styrene emissions for layup material i, based on the styrene content, as noted in Table 2.16 of CFA Emission Models for the Reinforced Plastics Industries, Feb. 1998.
 - ii. total organic compound emission rate for all layup materials, which is calculated by summing the daily organic compound emissions from each layup material, in pounds per day.
 - b. Emission Limitation-
8 lbs/hr of organic compound emissions from the layup materials

Applicable Compliance Method-
To calculate emissions for purposes of determining compliance, the permittee shall employ the following formula(s):

 $E(\text{average hourly}) = [E(\text{daily})]/\text{HRS}$
Where: $E(\text{hourly,ave.})$ = the average, hourly organic compound emissions, in pounds per hour.
 $E(\text{daily})$ = daily organic compound emissions from all layup operations, as specified in Section A.V.1.a.ii.

 HRS = the actual number of hours the emissions unit was in operation.
2. Formulation data or Method 24 (40 CFR Part 60, Appendix A) shall be used to determine the organic compound contents of the layup materials as employed in the emissions unit.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204010396 Emissions Unit ID: R003 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

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

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Spray layup molding of polyester resin mixes and gelcoat mixes to make fiberglass reinforced plastic parts, station 3	OAC rule 3745-31-05 PTI 02-11618	The organic compound emissions from the cleanup operations shall be limited to 5 pounds per day. The organic compound emissions from all operations shall be limited to 8.21 tons per year. See B.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Only nonphotochemically reactive cleanup materials shall be employed. A photochemically reactive material is defined by OAC rule 3745-21-01(C)(5) and is determined at the time the material is employed.

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for the cleanup operations:
 - a. The company identification for each cleanup material employed.
 - b. The number of pounds of each cleanup material employed.
 - c. The total organic compound emission rate for all cleanup materials, in pounds.
2. The permittee shall collect and record the following information for each month for the layup and the cleanup operations:
 - a. The total organic compound emission rate for cleanup materials.
 - b. The total organic compound emission rate for layup materials.
 - c. The total organic compound emission rate from all cleanup materials and layup materials.

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IV. **Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports to the Ohio EPA, Northeast District Office which identify each day during which the daily total organic compound emission rate exceeded 5 pounds from the cleanup operations, and the actual, daily total organic compound emission rate in pounds for each such day.
2. The permittee shall also submit annual reports which specify the total organic compound emissions from all operations for the previous calendar year, in tons per year. These reports shall be submitted by January 31 of each year.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section B.I.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation - 5 pounds per day of organic compound emissions from the cleanup materials

To calculate emissions from the cleanup operations, the permittee shall employ the following formula(s):

 - i. $E(\text{daily})_i = W_i$

Where: i = subscript denoting a specific cleanup material employed.

E(daily)_i = the daily organic compound emissions from cleanup material i, in pounds per day.

W_i = the weight of cleanup material i employed, in pounds per day.

ii. total organic compound emission rate for all cleanup materials, which is calculated by summing the daily organic compound emissions from each cleanup material, in pounds per day.

- b. Emission Limitation-
8.21 tons per year of organic compound emissions from all operations

Applicable Compliance Method-

To calculate emissions for purposes of determining compliance, the permittee shall sum the monthly organic compound emissions from all operations, as specified in Section B.III.2.c., and then divide by 2000 pounds per ton.

- 2. Formulation data or Method 24 (40 CFR Part 60, Appendix A) shall be used to determine the organic compound contents of the cleanup materials as employed in the emissions unit.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204010396 Emissions Unit ID: R004 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

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

- 1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Spray layup molding of polyester resin mixes and gelcoat mixes to make fiberglass reinforced plastic parts, station 4	OAC rule 3745-21-07(G)(2)	Emissions of organic material shall not exceed 8 pounds per hour and 40 pounds per day from the spray layup operations.

2. **Additional Terms and Conditions**

- a. The emissions of organic material from the spray layup operations consist of styrene only.

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. The permittee shall collect and record the following information for each day for the spray layup operations:
 - a. the company identification for each layup material (i.e., polyester resin mix or gelcoat mix) employed.
 - b. an identification of whether vapor suppressed or non-vapor suppressed polyester resin mix was employed.

- c. the number of pounds of each layup material employed.
- d. the styrene content of each layup material, in percent by weight.
- e. the actual number of hours the emissions unit was in operation.
- f. the total organic compound emission rate for all layup materials, in pounds per day.
- g. the average hourly organic compound emission rate for all layup materials, (i.e., (f)/(e)), in pounds per hour (average).

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Ohio EPA, Northeast District Office which include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the layup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - b. an identification of each day during which the organic compound emissions from the layup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
40 lbs/day of organic compound emissions from the layup materials

Applicable Compliance Method-
To calculate emissions for purposes of determining compliance, the permittee shall employ the following formula(s):
 - i. $E(\text{daily})_i = W_i \times EFi$

Where: i = subscript denoting a specific layup material employed.

 $E(\text{daily})_i$ = the daily organic compound emissions from layup material i , in pounds per day.

 W_i = the weight of layup material i employed, in pounds per day.

 EF_i = the emission factor for styrene emissions for layup material i , based on the styrene content, as noted in Table 2.16 of CFA Emission Models for the Reinforced Plastics Industries, Feb. 1998.
 - ii. total organic compound emission rate for all layup materials, which is calculated by summing the daily organic compound emissions from each layup material, in pounds per day.
 - b. Emission Limitation-
8 lbs/hr of organic compound emissions from the layup materials

Applicable Compliance Method-
To calculate emissions for purposes of determining compliance, the permittee shall employ the following formula(s):

 $E(\text{average hourly}) = [E(\text{daily})]/\text{HRS}$

Where: $E(\text{hourly, ave.})$ = the average, hourly organic compound emissions, in pounds per hour.

 $E(\text{daily})$ = daily organic compound emissions from all layup operations, as specified in Section A.V.1.a.ii.

 HRS = the actual number of hours the emissions unit was in operation.
2. Formulation data or Method 24 (40 CFR Part 60, Appendix A) shall be used to determine the organic compound contents of the layup materials as employed in the emissions unit.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204010396 Emissions Unit ID: R004 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Spray layup molding of polyester resin mixes and gelcoat mixes to make fiberglass reinforced plastic parts, station 4	OAC rule 3745-31-05 PTI 02-11130	The organic compound emissions from the cleanup operations shall be limited to 5 pounds per day. The organic compound emissions from all operations shall be limited to 8.21 tons per year. See B.1.2.a. below.

2. Additional Terms and Conditions

- a. Only nonphotochemically reactive cleanup materials shall be employed. A photochemically reactive material is defined by OAC rule 3745-21-01(C)(5) and is determined at the time the material is employed.

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for the cleanup operations:
 - a. The company identification for each cleanup material employed.
 - b. The number of pounds of each cleanup material employed.
 - c. The total organic compound emission rate for all cleanup materials, in pounds.
2. The permittee shall collect and record the following information for each month for the layup and the cleanup operations:
 - a. The total organic compound emission rate for cleanup materials.
 - b. The total organic compound emission rate for layup materials.
 - c. The total organic compound emission rate from all cleanup materials and layup materials.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Ohio EPA, Northeast District Office which identify each day during which the daily total organic compound emission rate exceeded 5 pounds from the cleanup operations, and the actual, daily total organic compound emission rate in pounds for each such day.
2. The permittee shall also submit annual reports which specify the total organic compound emissions from all operations for the previous calendar year, in tons per year. These reports shall be submitted by January 31 of each year.

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V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.1.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation - 5 pounds per day of organic compound emissions from the cleanup materials
To calculate emissions from the cleanup operations, the permittee shall employ the following formula(s):
 - i. $E(\text{daily})_i = W_i$
Where: i = subscript denoting a specific cleanup material employed.
 $E(\text{daily})_i$ = the daily organic compound emissions from cleanup material i , in pounds per day.
 W_i = the weight of cleanup material i employed, in pounds per day.
 - ii. total organic compound emission rate for all cleanup materials, which is calculated by summing the daily organic compound emissions from each cleanup material, in pounds per day.
 - b. Emission Limitation-
8.21 tons per year of organic compound emissions from all operations
Applicable Compliance Method-
To calculate emissions for purposes of determining compliance, the permittee shall sum the monthly organic compound emissions from all operations, as specified in Section B.III.2.c., and then divide by 2000 pounds per ton.
2. Formulation data or Method 24 (40 CFR Part 60, Appendix A) shall be used to determine the organic compound contents of the cleanup materials as employed in the emissions unit.

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VI. Miscellaneous Requirements

1. None