

1

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(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 are inadequate or cannot meet applicable standards.

If the construction of the proposed source(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 Ohio Administrative Code

2

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

(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 applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

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.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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.

PERMIT TO OPERATE APPLICATION

3

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION 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 and regulations.

4

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

Facility Name: **U.S. Technology Recycling**Application Number: **15-1334**Date: **July 21, 1999**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
-------------------------------	-------------------------------------	--------------------------	---	--

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **U.S. Technology Recycling** located in **Stark** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>
K001	Gel coating of molds in preparation for marble casting -	Casting in closed and semi-closed molds to produce lawn garden furniture (cultured marble) and related items.
P001	spray booth with filter banks, air-less spray gun, and lift table.	Compliance with the applicable OAC regulations and the terms and conditions of this permit; use of airless spray gun; use of Spray Booth with filter control; use of low styrene content resin; material usage restrictions; compliance with Ohio EPA's Air Toxics policy.

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
Compliance with the applicable OAC regulations and the conditions of this permit; use of closed and semi-closed molds; use of low styrene content	resin; material usage restrictions; use of booth with filter control; use of lid on kettle except during pouring and filling; and compliance with Ohio EPA's Air Toxics policy.	Applicable Federal & <u>OAC Rules</u>	3745-21-07 (G)	Permit Allowable Mass Emissions and/or Control/Usage Requirements
		3745-17-07	3745-31-05 (4/12/96)	BAT is more stringent
		3745-17-11		0.9 lb PM/hr
		3745-21-07 (G)		8 lbs/hr and 40 lbs/day of organic compounds (due to gel coat usage only)
		3745-31-05		*9.0 tpy styrene;
				3.94 tpy PM
				no visible emissions from stack servicing this emissions unit
				Acetone (non-photochemically reactive) and marble wash (containing zero OCs) shall be the only materials used

7

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

Ohio EPA Source <u>Number</u>	Source Identification <u>Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	Permit Allowable Mass Emissions and/or Control/Usage <u>Requirements</u>
for cleanup operati ons.	ls used for cleanup operations.			
8 lbs/hr and 40 lbs/day of organic compoun ds (due to resin usage only)				
*9.0 tpy styrene ;				
Acetone (non-ph otochem ically reactiv e) and marble wash (contai ning zero OCs) shall be the only materia				

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
---	---	------------------------------	---	--

* The combined annual styrene emissions from K001 and P001 shall not exceed 9.0 tons per year based upon a rolling, 365-day summation of emissions and a rolling, 365-day resin usage restrictions for each emissions unit. All OC emissions due to the use of gel coats and resins are in the form of styrene. Styrene is a listed HAP.

Facility Name: **U.S. Technology Recycling**
 Application Number: **15-1334**
 Date: **July 21, 1999**

****SUMMARY**

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
particulate matter	3.94
styrene	9.0

** The allowable emissions information contained under this Summary section is for informational purposes only and is not enforceable.

CONSTRUCTION STATUS

The **Canton Air Pollution Control** shall be notified in writing as to (a) the construction starting date, (b) the construction completion date, and (c) the date the facilities were placed into operation for the following sources: **K001, P001**.

PERFORMANCE TEST REQUIREMENTS

The permittee shall conduct, or have conducted, performance testing on the air contaminant source(s) in accordance with procedures approved by the Agency. Two copies of the written report describing the test procedures followed and the results of such tests shall be submitted and signed by the person responsible for the test. The Director, or an Ohio EPA representative, shall be allowed to witness the test, examine testing equipment, and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

10

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

- A. A completed Intent to Test form shall be submitted to the appropriate Ohio EPA District Office or Local Air Pollution Control Agency where the original permit application was filed. This notice shall be made 30 days in advance and shall

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

specify the source operating parameters, the proposed test procedures, and the time, date, place and person(s) conducting such tests.

B. Two copies of the test results shall be submitted within 30 days after the completion of the performance test.

C. Tests shall be performed for the following source(s) and pollutant(s):

<u>Source</u>	<u>Pollutant(s)</u>
K001; P001	OC

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Canton Air Pollution Control, 420 Market Avenue North, Canton, Ohio 44702-1544.**

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Canton Air Pollution Control, 420 Market Avenue North, Canton, Ohio 44702-1544.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

12

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. Gel Coat Spray booth K001

A. Operational Restrictions (K001)

1. The maximum styrene content of the gel coat employed in this emissions unit shall not exceed 35 percent styrene by weight.
2. The gel coat employed shall be of the types specified in the Permit to Install application or of equivalent types. The resin shall contain only styrene as the cross-linking vinyl-type monomer.
3. The gel coat spraying process shall be serviced by a spray booth as described in the Permit to Install application.
4. There shall be a draft gauge manometer installed and operated according to the manufacturer's recommendations to measure the pressure drop across the exhaust air filters. The exhaust air filters shall be changed in accordance with the manufacturer's recommendations considering the pressure drop build-up. In addition, exhaust air filters shall be changed at a frequency to prevent the release of visible particulate emissions as necessary.
5. The spray booth fan shall be continuously operated when emissions unit K001 is in operation.
6. The stack servicing emissions units K001 and P001 shall be a minimum of sixty (60) feet in height from ground level, and the stack shall have an inside diameter of six (6) feet. The spray booth shall be maintained and operated such that the air flow through the stack is maintained at the levels

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

documented in the Permit to Install application.

7. The gel coat shall be applied with an airless spray gun and in a manner to minimize the amount of overspray.
8. The maximum average hourly amount of gel coat employed for this emissions unit shall not exceed 165 pounds of gel coat per hour based upon the daily amount of gel coat applied divided by the number of hours the emissions unit was operated per day. This usage restriction may need to be adjusted in a subsequent PTI modification depending on the results of the performance test.
9. The maximum daily amount of gel coat employed for this emissions unit shall not exceed 829 pounds of gel coat per day. This usage restriction may need to be adjusted in a subsequent PTI modification depending on the results of the performance test.
10. The maximum annual amount of gel coat employed for this emissions unit shall not exceed 109,500 pounds, based upon a rolling, 365-day summation of the coating usage figures. This usage restriction may need to be adjusted in a subsequent PTI modification depending on the results of the performance test. The permittee has existing records in lieu of the 12-months monthly operational restrictions.
11. Acetone (non-photochemically reactive) and marble wash (containing zero OCs) shall be the only materials used for cleanup operations.

B. Monitoring and Recordkeeping Requirements (K001)

1. The permittee shall collect and record the following information **daily** for the purpose of determining the styrene emissions due to **gel coat usage**:
 - a. the company identification of each gel coat employed;
 - b. the organic compound content as styrene, in

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

- percent by weight, of each gel coat employed;
 - c. the total amount of gel coat used per day, in pounds;
 - d. the total OC emissions (as styrene) per day due to gel coat usage;
 - e. the number of hours per day that the emissions unit operated;
 - f. the average hourly OC emissions (as styrene) determined by dividing D.2.d by D.2.e;
 - g. the rolling, 365-day summation of the amount, in pounds, of each gel coat employed;
 - h. the total rolling, 365-day summation of styrene emissions.
2. The permittee shall collect and record the following information **daily** for the purpose of determining the annual styrene emissions for the combination of K001, and P001:
- a. the total combined rolling, 365-day summation of styrene emissions.
3. All records required by this Permit to Install shall be retained on file for a period of not less than five years unless otherwise indicated by the Ohio Environmental Protection Agency. All records shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours.

C. Reporting Requirements (K001)

1. The permittee shall submit deviation (excursion) reports, which identify each day during which the average hourly organic compound emissions from the use of gel coats exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day.

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

2. The permittee shall submit deviation (excursion) reports, which identify each day during which the organic compound emissions from the use of gel coats exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
3. The permittee shall submit deviation (excursion) reports, which identify all exceedances of the rolling, 365-day styrene emission limitation of 9.0 ton/year combined for K001 and P001.
4. The permittee shall submit deviation (excursion) reports, which identify all exceedances of the average hourly, daily, and rolling, 365-day gel coat usage restrictions denoted in Conditions I.A.8, I.A.9, and I.A.10 respectively.

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

5. The permittee shall notify the Canton Local Air Agency, in writing, of any monthly record showing the use of noncomplying gel coats. The notification shall include a copy of such record and shall be sent to the Canton Local Air Agency within 30 days following the end of the calendar month.

6. The permittee shall submit required reports in the following manner:
 - a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

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

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

D. Compliance Methods and Testing Requirements (K001)

1. Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):

a. Emission Limitation

8 lbs/hour of organic compounds (as styrene, due to the use of gel coats)

Applicable Compliance Method

Initial compliance shall be demonstrated using the test method denoted in Condition D.2.c. Thereafter, maintain daily records of the amount of gel coat (in pounds) employed. Calculate the daily emissions using the emission factor of 0.0482 lb styrene/lb gel coat (from 12/30/97 test data), unless the results of the performance test warrant the use of a different factor. Divide the lbs/day of styrene emissions by the number of hours the emissions unit was in service for each day.

b. Emission Limitation

40 lbs/day of organic compounds (as styrene, due to the use of gel coats)

Applicable Compliance Method

Maintain daily records of the amount of gel coat (in pounds) employed. Calculate the daily emissions using the emission factor of 0.0482 lb styrene/lb gel coat (from 12/30/97 test data), unless the results of the performance test warrant the use of a different factor.

c. Emission Limitation

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

9.0 tons styrene/year based upon a rolling, 365-day summation of emissions (combined total for K001 and P001)

Applicable Compliance Method

Maintain daily records of the rolling, 365-day summation of styrene emissions generated for each emissions unit. Maintain daily records of the total combined rolling, 365-day summation of styrene emissions generated for K001 and P001.

d. Emission Limitation

0.9 lbs/hr of PM

Applicable Compliance Method

Compliance shall be demonstrated by complying with the limitation of no visible emissions from the exhaust stack in accordance with Condition D.1.f. below.

e. Emission Limitation

3.94 tons/year of PM

Applicable Compliance Method

The ton/year limitation was developed by multiplying the lb/hr limitations by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitations.

f. Emission Limitation

No visible emissions from the stack servicing both K001 and P001

Applicable Compliance Method

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

40 CFR Part 60, Appendix A, Method 22

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 3 months after startup of the gel coat operation.
 - b. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Canton City Health Department, Air Pollution Control Division.
 - c. The emissions testing shall be conducted to demonstrate compliance with the allowable emission rate for organic compounds (8 lbs/hr). The following test method shall be employed to demonstrate compliance with the allowable hourly mass emission rates for organic compounds from 40 CFR Part 60, Appendix A: Methods 1-4 and Method 18, Method 25, or Method 25A whichever is most appropriate.
 - d. The emissions testing for K001 shall be performed separately from the testing for P001. Emissions unit K001 shall be the only emissions unit operated during this emissions testing.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

E. Miscellaneous requirements (K001)

None.

II Casting P001

A. Operational Restrictions (P001)

1. The maximum styrene content of the resins employed in this emissions unit shall not exceed 35 percent styrene by weight.

2. The emissions from this source shall be vented, via additional ductwork outside the building and a fan, to the same stack which services K001.

3. The fan which provides ventilation for this emissions unit shall be operated at all times the emissions unit is in operation.

4. There shall be a draft gauge manometer installed and operated according to the manufacturer's recommendations to measure the pressure drop across the exhaust air filters. The exhaust air filters shall be changed in accordance with the manufacturer's

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

recommendations considering the pressure drop build-up. In addition, exhaust air filters shall be changed at a frequency to prevent the release of visible particulate emissions as necessary.

5. The casting kettle(s) shall be covered with a gasket lid at all times, except during filling and pouring operations.

6. The resins employed in this emissions unit shall be of the type specified in the Permit to Install application or of equivalent type. The resins shall contain only styrene as the cross-linking vinyl-type monomer.

7. The maximum average hourly amount of resin employed for this emissions unit shall not exceed 2,285 pounds of resin per hour based upon the daily amount of resin applied divided by the number of hours the emissions unit was operated per day. This usage restriction may need to be adjusted in a subsequent PTI modification depending on the results of the performance test.

8. The maximum daily amount of resin employed for this emissions unit shall not exceed 11,428 pounds per day. This usage restriction may need to be adjusted in a subsequent PTI modification depending on the results of the performance test.

9. The maximum amount of resin employed for this emissions unit shall not exceed 3,504,000 pounds, based upon a rolling, 365-day summation of the coating usage figures. This usage restriction may need to be adjusted in a subsequent PTI modification depending on the results of the performance test.

10. Acetone (non-photochemically reactive) and marble wash (containing zero OCs) shall be the only materials used for cleanup operations.

B. Monitoring and Recordkeeping Requirements (P001)

1. The permittee shall collect and record the following information **daily** for the purpose of

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

determining the styrene emissions due to **resin usage**:

- a. the company identification of each resin employed;
 - b. the organic compound content as styrene, in percent by weight, of each resin employed;
 - c. the total amount of resin used per day, in pounds;
 - d. the total OC emissions (as styrene) per day due to resin usage;
 - e. the number of hours per day that the emissions unit operated;
 - f. the average hourly OC emissions (as styrene) determined by dividing D.2.d by D.2.e;
 - g. the total rolling, 365-day summation of the amount, in pounds, of resin employed; and,
 - h. the total rolling, 365-day summation of styrene emissions.
2. The permittee shall collect and record the following information **daily** for the purpose of determining the annual styrene emissions for the combination of K001, and P001:
 - a. the total combined rolling, 365-day summation of styrene emissions
 3. All records required by this Permit to Install shall be retained on file for a period of not less than five years unless otherwise indicated by the Ohio Environmental Protection Agency. All records shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours.

C. Reporting Requirements (P001)

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

1. The permittee shall submit deviation (excursion) reports, which identify each day during which the average hourly organic compound emissions from the use of resins exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day.
2. The permittee shall submit deviation (excursion) reports, which identify each day during which the organic compound emissions from the use of resins exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
3. The permittee shall submit deviation (excursion) reports, which identify all exceedances of the rolling, 365-day styrene emission limitation of 9.0 ton/year combined for K001 and P001.
4. The permittee shall submit deviation (excursion) reports, which identify all exceedances of the average hourly, daily, and rolling, 365-day resin usage restrictions denoted in Conditions I.A.5, I.A.6, and I.A.7 respectively.
5. The permittee shall notify the Canton Local Air Agency, in writing, of any monthly record showing the use of noncomplying resins. The notification shall include a copy of such record and shall be sent to the Canton Local Air Agency within 30 days following the end of the calendar month.
6. 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

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

D. Compliance Methods and Testing Requirements (P001)

1. Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation

8 lbs/hour of organic compounds (as styrene, due to the use of resins)

Applicable Compliance Method

Initial compliance shall be determined using the test method denoted in Condition D.2.c. Thereafter, maintain daily records of the amount of resins (in pounds) employed. Calculate the daily emissions using the emission factor of 0.0035 lb styrene/lb resin (from 12/30/97 test data), unless the results of the performance test warrant the use of a different factor. Divide the lbs/day of styrene emissions by the number of hours the emissions unit was in service for each day.

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

b. Emission Limitation

40 lbs/day of organic compounds (as styrene, due to the use of resins)

Applicable Compliance Method

Maintain daily records of the amount of resins (in pounds) employed. Calculate the daily emissions using the emission factor of 0.0035 lb styrene/lb resin (from 12/30/97 test data) unless the results of the performance test warrant the use of a different factor.

c. Emission Limitation

9.0 tons styrene/year based upon a rolling, 365-day summation of emissions (combined total for K001 and P001)

Applicable Compliance Method

Maintain daily records of the rolling, 365-day summation of styrene emissions generated for each emissions unit. Maintain daily records of the total combined rolling, 365-day summation of styrene emissions generated for K001 and P001.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 3 months after startup of the gel coat operation.

b. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Canton City Health Department, Air Pollution Control Division.

c. The emissions testing shall be conducted to

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

demonstrate compliance with the allowable emission rate for organic compounds (8 lbs/hr). The following test method shall be employed to demonstrate compliance with the allowable hourly mass emission rates for organic compounds from 40 CFR Part 60, Appendix A: Methods 1-4 and Method 18, Method 25, or Method 25A whichever is most appropriate.

- d. The emissions testing for P001 shall be performed separately from the testing for K001. Emissions unit P001 shall be the only emissions unit operated during this emission testing.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days

27

Facility Name: **U.S. Technology Recycling**

Application Number: **15-1334**

Date: **July 21, 1999**

following completion of the test(s).

E. Miscellaneous requirements (P001)

None.