State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
SUMMIT COUNTY

Street Address:
122 S. Front Street

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

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

Application No: 16-02463
Fac ID: 1677010028
DATE: 9/21/2006

Akron Paint and Varnish Inc
Michael Summers
1390 Firestone Pkwy
Akron, OH 44301

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

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

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

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

Sincerely,

Michael W. Ahern

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

CC: **USEPA** **ARAQMD**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 9/21/2006**
Terms and Conditions	**Effective Date: 9/21/2006**

FINAL PERMIT TO INSTALL 16-02463

Application Number:	16-02463
Facility ID:	1677010028
Permit Fee:	**$600**
Name of Facility:	Akron Paint and Varnish Inc
Person to Contact:	Michael Summers
Address:	1390 Firestone Pkwy Akron, OH 44301

Location of proposed air contaminant source(s) [emissions unit(s)]:
1390 Firestone Pkwy
Akron, **Ohio**

Description of proposed emissions unit(s):
Three (3) Mixers.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Joseph P. Koncelik

Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

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

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

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

3. Records Retention Requirements

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

4. Inspections and Information Requests

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

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

5. Scheduled Maintenance/Malfunction Reporting

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

6. Permit Transfers

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

7. Air Pollution Nuisance

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

8. Termination of Permit to Install

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

9. Construction of New Sources(s)

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

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

10. Public Disclosure

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

11. Applicability

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

12. Best Available Technology

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

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

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

14. Construction Compliance Certification

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

15. Fees

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

B. Permit to Install Summary of Allowable Emissions

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

Akron Paint and Varnish Inc **Facility ID: 1677010028**
PTI Application: 16-02463
Issued

Emissions Unit ID: **P139**

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

Pollutant	Tons Per Year
OC	21.9
PE	7.23

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P139 - 1000-gallon Schold mixer and associated dust collector	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	Particulate emissions (PE) shall not exceed 0.551 lbs/hr.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, and 40.0 lbs/day.
	ORC 3704.03(T)(4)	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate emissions or organic compounds from this air contaminant source since the uncontrolled potential to emit for particulate emissions and organic compounds is less than 10 tons per year.

2. Additional Terms and Conditions

2.a 'Batch time' for this facility is defined as the hours of operation for each batch

and is specifically the time from when materials enter a mixer until the materials are removed plus any cleanup time associated with that machine, i.e., process time + cleanup.

A 'batch' for the manual can washer is defined as the time it takes to clean a machine with solvent.

B. Operational Restrictions

1. The baghouse associated with this emissions unit shall be in full operation and effectively capturing particulate emissions whenever this emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1.The permittee shall maintain the following records on a daily basis for the mixers (except for P138), mills, churns, and manual can washer:

a. the product name and batch ticket number for each batch produced at the facility;

b. the hours of operation for each batch;

c.the total number of mixers, mills, churns, and manual can washer operated each day;

d. the volume of each batch, in gallons; and

e. the OC/VOC content of each batch, in pounds per gallon.

2.The permittee shall collect and record the following on a daily basis for the mixers (except for P138), mills, churns, and manual can washer:

a. the total quantity of each OC/VOC-containing material used per day, in pounds;

b. the OC/VOC content of each OC/VOC-containing material used, as a weight fraction;

c. the mass of evaporative loss of OC/VOC from each OC/VOC-containing material used, in pounds, i.e., (C.2.a)x(C.2.b)x(0.015)*;

d. the calculated daily OC/VOC emissions from all OC/VOC-containing materials, in pounds, i.e., the sum of the values recorded in C.2.c;

e. the total batch time for all the batches produced, in hours;

f. the calculated average hourly OC/VOC emission rate for each batch-hour for each unit operated during the day, i.e., (C.2.d)/(C.2.e), in pounds per hour (to demonstrate that each mill, churn, mixer, and manual can washer is compliant, on average, with the hourly limit established in section A.1); and

g. the calculated daily OC/VOC emission rate for each unit, i.e., (C.2.d)/(the total number of units identified in C.1.c), in pounds per day per unit (to demonstrate that each mill, churn, mixer, and manual can washer is compliant, on average, with the daily limit established in section A.1).

* The emission factor for batch process emissions utilized in this permit is equivalent to the 30 lbs OC/VOC/ton product emissions factor in AP-42, but integrates more readily into the permittee's emissions tracking system than the AP-42 factor. Therefore, it is used in lieu of the AP-42 factor.

3.The permit to install for emissions units (P139 - P141) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: xylene

TLV (mg/m3): 434
Maximum Hourly Emission Rate (lbs/hr): 2.16
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 276
MAGLC (ug/m3): 10,333

Pollutant: butanol

TLV (mg/m3): 61
Maximum Hourly Emission Rate (lbs/hr): 2.16
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 276
MAGLC (ug/m3): 1,452

Pollutant: isopropyl alcohol

TLV (mg/m3): 492
Maximum Hourly Emission Rate (lbs/hr): 2.16
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 276
MAGLC (ug/m3): 11,714

4.Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

5.If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under

OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

6.The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a.a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

7. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from this emissions unit and associated baghouse. 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. the total duration of any visible emission incident; and

c. any corrective actions taken to eliminate the visible emissions.

8. The permittee shall maintain records whenever this emissions unit is operated without the use of the baghouse to effectively capture the particulate emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the following:

a. the hourly OC emissions limitation (8 lbs/hr); and/or

b. the daily OC emissions limitation (40 lbs/day).

Each deviation (excursion) report shall include a copy of the record(s) documenting the exceedance(s) and shall include a description of the corrective actions taken to prevent future exceedances.

2. The quarterly deviation reports shall be submitted as specified in General Term and Condition A.2 of this permit.

3.The permittee shall submit semiannual reports that (a) identify all days during which any visible emissions were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

1.Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

a.Emission Limitation

Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, and 40.0 lbs/day.

Applicable Compliance Method

Compliance with both the hourly and daily limitation shall be demonstrated through the record keeping and reporting requirements of sections C.2 and D.1 of this permit. Formulation data or USEPA Method 24 shall be used to determine the OC content of the batch ingredients.

b.Emission Limitation

Particulate emissions (PE) shall not exceed 0.551 lbs/hr.

Applicable Compliance Method

If required, compliance with the hourly allowable PE emission limitation shall be determined based on the results of emission testing conducted in accordance with Test Methods 1 through 5 of 40 CFR Part 60, Appendix A.

c. Emission Limitation

The visible PE shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method

Compliance with the visible PE limitation above shall be demonstrated based on visible emissions evaluations conducted in accordance with OAC rule 3745-17-03(B)(1).

[No visible emission observations are specifically required for compliance with the visible PE limitations but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).]

F. Miscellaneous Requirements

1. None

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P140 - 2000-gallon Hockmeyer mixer and associated dust collector	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	Particulate emissions (PE) shall not exceed 0.551 lbs/hr.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, and 40.0 lbs/day.
	ORC 3704.03(T)(4)	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate emissions or organic compounds from this air contaminant source since the uncontrolled potential to emit for particulate emissions and organic compounds is less than 10 tons per year.

2. Additional Terms and Conditions

2.a 'Batch time' for this facility is defined as the hours of operation for each batch

and is specifically the time from when materials enter a mixer until the materials are removed plus any cleanup time associated with that machine, i.e., process time + cleanup.

A 'batch' for the manual can washer is defined as the time it takes to clean a machine with solvent.

B. Operational Restrictions

1. The baghouse associated with this emissions unit shall be in full operation and effectively capturing particulate emissions whenever this emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1.The permittee shall maintain the following records on a daily basis for the mixers (except for P138), mills, churns, and manual can washer:

a. the product name and batch ticket number for each batch produced at the facility;

b. the hours of operation for each batch;

c.the total number of mixers, mills, churns, and manual can washer operated each day;

d. the volume of each batch, in gallons; and

e. the OC/VOC content of each batch, in pounds per gallon.

2.The permittee shall collect and record the following on a daily basis for the mixers (except for P138), mills, churns, and manual can washer:

a. the total quantity of each OC/VOC-containing material used per day, in pounds;

b. the OC/VOC content of each OC/VOC-containing material used, as a weight fraction;

c. the mass of evaporative loss of OC/VOC from each OC/VOC-containing material used, in pounds, i.e., (C.2.a)x(C.2.b)x(0.015)*;

d. the calculated daily OC/VOC emissions from all OC/VOC-containing materials, in pounds, i.e., the sum of the values recorded in C.2.c;

e. the total batch time for all the batches produced, in hours;

f. the calculated average hourly OC/VOC emission rate for each batch-hour for each unit operated during the day, i.e., (C.2.d)/(C.2.e), in pounds per hour (to demonstrate that each mill, churn, mixer, and manual can washer is compliant, on average, with the hourly limit established in section A.1); and

g. the calculated daily OC/VOC emission rate for each unit, i.e., (C.2.d)/(the total number of units identified in C.1.c), in pounds per day per unit (to demonstrate that each mill, churn, mixer, and manual can washer is compliant, on average, with the daily limit established in section A.1).

* The emission factor for batch process emissions utilized in this permit is equivalent to the 30 lbs OC/VOC/ton product emissions factor in AP-42, but integrates more readily into the permittee's emissions tracking system than the AP-42 factor. Therefore, it is used in lieu of the AP-42 factor.

3.The permit to install for emissions units (P139 - P141) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: xylene

TLV (mg/m3): 434
Maximum Hourly Emission Rate (lbs/hr): 2.16
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 276
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Pollutant: butanol

TLV (mg/m3): 61
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Pollutant: isopropyl alcohol

TLV (mg/m3): 492
Maximum Hourly Emission Rate (lbs/hr): 2.16
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 276
MAGLC (ug/m3): 11,714

4.Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

5.If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under

OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

6.The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a.a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

7. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from this emissions unit and associated baghouse. 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. the total duration of any visible emission incident; and

c. any corrective actions taken to eliminate the visible emissions.

8. The permittee shall maintain records whenever this emissions unit is operated without the use of the baghouse to effectively capture the particulate emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the following:

a. the hourly OC emissions limitation (8 lbs/hr); and/or

b. the daily OC emissions limitation (40 lbs/day).

Each deviation (excursion) report shall include a copy of the record(s) documenting the exceedance(s) and shall include a description of the corrective actions taken to prevent future exceedances.

2. The quarterly deviation reports shall be submitted as specified in General Term and Condition A.2 of this permit.

3.The permittee shall submit semiannual reports that (a) identify all days during which any visible emissions were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

1.Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

a.Emission Limitation

Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, and 40.0 lbs/day.

Applicable Compliance Method

Compliance with both the hourly and daily limitation shall be demonstrated through the record keeping and reporting requirements of sections C.2 and D.1 of this permit. Formulation data or USEPA Method 24 shall be used to determine the OC content of the batch ingredients.

b. Emission Limitation

Particulate emissions (PE) shall not exceed 0.551 lbs/hr.

Applicable Compliance Method

If required, compliance with the hourly allowable PE emission limitation shall be determined based on the results of emission testing conducted in accordance with Test Methods 1 through 5 of 40 CFR Part 60, Appendix A.

c. Emission Limitation

The visible PE shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method

Compliance with the visible PE limitation above shall be demonstrated based on visible emissions evaluations conducted in accordance with OAC rule 3745-17-03(B)(1).

[No visible emission observations are specifically required for compliance with the visible PE limitations but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).]

F. Miscellaneous Requirements

1. None

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P141 - 500-gallon Hockmeyer mixer and associated dust collector	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	Particulate emissions (PE) shall not exceed 0.551 lbs/hr.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, and 40.0 lbs/day.
	ORC 3704.03(T)(4)	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate emissions or organic compounds from this air contaminant source since the uncontrolled potential to emit for particulate emissions and organic compounds is less than 10 tons per year.

2. Additional Terms and Conditions

2.a 'Batch time' for this facility is defined as the hours of operation for each batch

and is specifically the time from when materials enter a mixer until the materials are removed plus any cleanup time associated with that machine, i.e., process time + cleanup.

A 'batch' for the manual can washer is defined as the time it takes to clean a machine with solvent.

B. Operational Restrictions

1. The baghouse associated with this emissions unit shall be in full operation and effectively capturing particulate emissions whenever this emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1.The permittee shall maintain the following records on a daily basis for the mixers (except for P138), mills, churns, and manual can washer:

a. the product name and batch ticket number for each batch produced at the facility;

b. the hours of operation for each batch;

c.the total number of mixers, mills, churns, and manual can washer operated each day;

d. the volume of each batch, in gallons; and

e. the OC/VOC content of each batch, in pounds per gallon.

2.The permittee shall collect and record the following on a daily basis for the mixers (except for P138), mills, churns, and manual can washer:

a. the total quantity of each OC/VOC-containing material used per day, in pounds;

b. the OC/VOC content of each OC/VOC-containing material used, as a weight fraction;

c. the mass of evaporative loss of OC/VOC from each OC/VOC-containing material used, in pounds, i.e., (C.2.a)x(C.2.b)x(0.015)*;

d. the calculated daily OC/VOC emissions from all OC/VOC-containing materials, in pounds, i.e., the sum of the values recorded in C.2.c;

e. the total batch time for all the batches produced, in hours;

f. the calculated average hourly OC/VOC emission rate for each batch-hour for each unit operated during the day, i.e., (C.2.d)/(C.2.e), in pounds per hour (to demonstrate that each mill, churn, mixer, and manual can washer is compliant, on average, with the hourly limit established in section A.1); and

g. the calculated daily OC/VOC emission rate for each unit, i.e., (C.2.d)/(the total number of units identified in C.1.c), in pounds per day per unit (to demonstrate that each mill, churn, mixer, and manual can washer is compliant, on average, with the daily limit established in section A.1).

* The emission factor for batch process emissions utilized in this permit is equivalent to the 30 lbs OC/VOC/ton product emissions factor in AP-42, but integrates more readily into the permittee's emissions tracking system than the AP-42 factor. Therefore, it is used in lieu of the AP-42 factor.

3.The permit to install for emissions units (P139 - P141) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: xylene

TLV (mg/m3): 434
Maximum Hourly Emission Rate (lbs/hr): 2.16
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 276
MAGLC (ug/m3): 10,333

Pollutant: butanol

TLV (mg/m3): 61
Maximum Hourly Emission Rate (lbs/hr): 2.16
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 276
MAGLC (ug/m3): 1,452

Pollutant: isopropyl alcohol

TLV (mg/m3): 492
Maximum Hourly Emission Rate (lbs/hr): 2.16
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 276
MAGLC (ug/m3): 11,714

4.Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

5.If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under

OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

6.The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a.a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

7. The permittee shall perform daily checks, when the emissions unit is in operation, for any visible particulate emissions from this emissions unit and associated baghouse. 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. the total duration of any visible emission incident; and

c. any corrective actions taken to eliminate the visible emissions.

8. The permittee shall maintain records whenever this emissions unit is operated without the use of the baghouse to effectively capture the particulate emissions.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the following:

a. the hourly OC emissions limitation (8 lbs/hr); and/or

b. the daily OC emissions limitation (40 lbs/day).

Each deviation (excursion) report shall include a copy of the record(s) documenting the exceedance(s) and shall include a description of the corrective actions taken to prevent future exceedances.

2. The quarterly deviation reports shall be submitted as specified in General Term and Condition A.2 of this permit.

3.The permittee shall submit semiannual reports that (a) identify all days during which any visible emissions were observed and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Akron RAQMD) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

1.Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

a.Emission Limitation

Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, and 40.0 lbs/day.

Applicable Compliance Method

Compliance with both the hourly and daily limitation shall be demonstrated through the record keeping and reporting requirements of sections C.2 and D.1 of this permit. Formulation data or USEPA Method 24 shall be used to determine the OC content of the batch ingredients.

b.Emission Limitation

Particulate emissions (PE) shall not exceed 0.551 lbs/hr.

Applicable Compliance Method

If required, compliance with the hourly allowable PE emission limitation shall be determined based on the results of emission testing conducted in accordance with Test Methods 1 through 5 of 40 CFR Part 60, Appendix A.

c. Emission Limitation

The visible PE shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method

Compliance with the visible PE limitation above shall be demonstrated based on visible emissions evaluations conducted in accordance with OAC rule 3745-17-03(B)(1).

[No visible emission observations are specifically required for compliance with the visible PE limitations but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).]

F. Miscellaneous Requirements

1. None