



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

50 West Town Street, Suite 700

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 16-02478

Fac ID: 1667020046

DATE: 4/26/2007

Eaton Corp
Dan Demboski
115 Lena Dr
Aurora, OH 44202

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

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

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

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

Sincerely,

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

CC: USEPA

ARAQMD



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install

Issue Date: 4/26/2007

FINAL PERMIT TO INSTALL 16-02478

Application Number: 16-02478
Facility ID: 1667020046
Permit Fee: **\$8000**
Name of Facility: Eaton Corp
Person to Contact: Dan Demboski
Address: 115 Lena Dr
Aurora, OH 44202

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

**115 Lena Dr
Aurora, Ohio**

Description of proposed emissions unit(s):

Various Braiders, Tool Cleaning Ovens, Producing Reinforced Tubing/Hoses.

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Chris Korleski
Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

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

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

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

4. Inspections and Information Requests

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

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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)

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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.

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

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

14. Construction Compliance Certification

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

15. Fees

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

B. Permit to Install Summary of Allowable Emissions

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

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

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC (potential To Emit)	67.33
PE (Potential To Emit)	7.37
MeCl	9.95

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

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

Operations, Property, and/or Equipment - (N001) - Screw Cleaner Burn-off Oven

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-17-07(A)	Visible particulate emissions(PE) from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
OAC rule 3745-17-09(B)	0.20 pound of PE per 100 pounds of liquid, semi-solid, or solid refuse and salvageable materials charged
OAC rule 3745-17-09(C)	This incinerator, including all associated equipment and grounds, shall be designed, operated and maintained so as to prevent the emission of objectionable odors.

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE from this air contaminant source since the calculated annual emission rate for PE is less than ten tons per year taking into account the federally enforceable rule limit of 0.20 pound particulate per 100 pounds of liquid, semisolid or solid refuse and salvageable material charged to the incinerator under OAC rule 3745-17-09(C).
- 2.b The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the uncontrolled OC, NO_x, CO and SO₂ emissions from this air contaminant source since the potential to emit for OC, NO_x, CO and SO₂ is each less than ten tons per year.
- 2.c This emissions unit is exempt from the requirements of OAC rule 3745-18-06 because natural gas is the only fuel burned.

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B. Operational Restrictions

1. The permittee shall not charge this emissions unit with an "infectious agent" as defined in OAC rule 3745-75-01(B)(19).

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily 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.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports that (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 Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month periods.

E. Testing Requirements

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

PE shall not exceed 0.20 pound per 100 pounds of liquid, semisolid or solid refuse and salvageable material charged to the incinerator.

Applicable Compliance Method:

Eaton Corp

DTL Application: 16-02178

Facility ID:

1667020046

Emissions Unit ID: N001

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(8), (USEPA Method 1-5, 40 CFR 60, Appendix A).

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b. Emission Limitation:

Visible PE from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

Compliance with this Visible PE limitation shall be determined by USEPA Method 9 (40 CFR Part 60, Appendix A).

F. Miscellaneous Requirements

1. A copy of these terms and conditions shall be visibly posted near the incinerator.
2. This incinerator shall be operated only by adequately trained personnel.

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

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

Operations, Property, and/or Equipment - (N002) - Tool Room Burn-off Oven

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-17-07(A)	Visible particulate emissions(PE) from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
OAC rule 3745-17-09(B)	0.20 pound of PE per 100 pounds of liquid, semi-solid, or solid refuse and salvageable materials charged
OAC rule 3745-17-09(C)	This incinerator, including all associated equipment and grounds, shall be designed, operated and maintained so as to prevent the emission of objectionable odors.

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE from this air contaminant source since the calculated annual emission rate for PE is less than ten tons per year taking into account the federally enforceable rule limit of 0.20 pound particulate per 100 pounds of liquid, semisolid or solid refuse and salvageable material charged to the incinerator under OAC rule 3745-17-09(C).
- 2.b The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the uncontrolled OC, NO_x, CO and SO₂ emissions from this air contaminant source since the potential to emit for OC, NO_x, CO and SO₂ is each less than ten tons per year.
- 2.c This emissions unit is exempt from the requirements of OAC rule 3745-18-06 because natural gas is the only fuel burned.

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B. Operational Restrictions

1. The permittee shall not charge this emissions unit with an "infectious agent" as defined in OAC rule 3745-75-01(B)(19).

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily 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.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports that (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 Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month periods.

E. Testing Requirements

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

PE shall not exceed 0.20 pound per 100 pounds of liquid, semisolid or solid refuse and salvageable material charged to the incinerator.

Applicable Compliance Method:

Eaton Corp

DTI Application: 16-02178

Facility ID: 1667020046**Emissions Unit ID: N002**

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(8), (USEPA Method 1-5, 40 CFR 60, Appendix A).

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b. Emission Limitation:

Visible PE from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

Compliance with this Visible PE limitation shall be determined by USEPA Method 9 (40 CFR Part 60, Appendix A).

F. Miscellaneous Requirements

1. A copy of these terms and conditions shall be visibly posted near the incinerator.
2. This incinerator shall be operated only by adequately trained personnel.

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

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

Operations, Property, and/or Equipment - (P001) - Lapper 1, Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-17-07(A)	Visible particulate emissions (PE) 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)(1)	(PE) emissions 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, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NOx, CO and SO2 emissions from this air contaminant source since the uncontrolled potential to emit for OC, NOx, CO and SO2 is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

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B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and 24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.
2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations for each individual HAP and total combined HAPS shall be based on the rolling, 12-month summations of the monthly individual HAP and

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combined HAPs, respectively.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage a rolling, 12-month summation of the monthly adhesive materials usage rates.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and

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- I. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");

Emissions Unit ID: **P001**

- 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.).
4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:

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- a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).
 - b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 6.05 pounds/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 145.2 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:
9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire

Emissions Unit ID: **P001**

facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

c. Emission Limitation:

PE shall not exceed 0.551 lbs/hr

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the hourly allowable PE limitation in accordance with the OAC rule 3745-17-03(B)(10).

d. Emission Limitations:

Visible PE from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the visible PE limitation above in accordance with OAC rule 3745-17-03(B)(1)(a).

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

Issued: 4/26/2007

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 - (P002) - Lapper 2, Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Issued: 4/26/2007

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage lamination shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

Eaton Corp

DTI Application: 16 02178

Facility ID:

1667020046

Emissions Unit ID: P002

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Issued: 4/26/2007

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.,

Eaton Corp

DTL Application: 16 02170

Facility ID:**1667020046**Emissions Unit ID: **P002**

increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be

Issued: 4/26/2007

required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).
 - b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility);, and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).

Issued: 4/26/2007

3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

Issued: 4/26/2007

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 6.05 pounds/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)

24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2. C3, and C4.

Eaton Corp

DTI Application: 16 02178

Facility ID:

1667020046

Emissions Unit ID: P002

Issued: 4/26/2007

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 - (P003) - MR11 Machine 1, Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Issued: 4/26/2007

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage lamination shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

Issued: 4/26/2007

Emissions Unit ID: **P003**

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Emissions Unit ID: **P003**

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m3): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 118.8

MAGLC (ug/m3): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

Issued: 4/26/2007

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be

Emissions Unit ID: **P003**

required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).
 - b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility);, and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

Eaton Corp

DTI Application: 16 02178

Facility ID: 1667020046

Emissions Unit ID: P003

Issued: 4/26/2007

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)

24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2. C3, and C4.

Issued: 4/26/2007

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 - (P004) - MR11 Machine 2, Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Emissions Unit ID: **P004**

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Emissions Unit ID: **P004**

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m3): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 118.8

MAGLC (ug/m3): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

Issued: 4/26/2007

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

Emissions Unit ID: **P004**

- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated

Issued: 4/26/2007

through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2. C3, and C4.

Issued: 4/26/2007

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 - (P005) - MR11 Machine 3, ﻿Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Emissions Unit ID: **P005**

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Emissions Unit ID: **P005**

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m3): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 118.8

MAGLC (ug/m3): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

Issued: 4/26/2007

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

Emissions Unit ID: **P005**

- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated

Issued: 4/26/2007

through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2. C3, and C4.

Issued: 4/26/2007

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 - (P006) - MR11 Machine 4; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Emissions Unit ID: **P006**

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Issued: 4/26/2007

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.,

Emissions Unit ID: **P006**

increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

Issued: 4/26/2007

- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Eaton Corp

DTL Application: 16 02178

Facility ID: 1667020046Emissions Unit ID: **P006**

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

Issued: 4/26/2007

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 - (P007) - MR11 Machine 5; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Issued: 4/26/2007

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage lamination shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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Eaton Corp

DTI Application: 16 02178

Facility ID: 1667020046

Emissions Unit ID: P007

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

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the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.,

Emissions Unit ID: **P007**

increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

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- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Eaton Corp

DTL Application: 16-02178

Facility ID:**1667020046**Emissions Unit ID: **P007**

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

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

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

Operations, Property, and/or Equipment - (P008) - MR11 Machine 6; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage lamination shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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Eaton Corp

DTI Application: 16 02178

Facility ID:

1667020046

Emissions Unit ID: P008

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on the actual 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

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"Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

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4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).
 - b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility);, and for the first 12 calendar months of operation following the

Emissions Unit ID: **P008**

issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).

3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:

8.0 lbs OC / hr

40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)

24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

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F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

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

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

Operations, Property, and/or Equipment - (P009) - MR11 Machine 7; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Emissions Unit ID: **P009**

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Emissions Unit ID: **P009**

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m3): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 118.8

MAGLC (ug/m3): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

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4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

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- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated

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through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2. C3, and C4.

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

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

Operations, Property, and/or Equipment - (P010) - MR11 Machine 8; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

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the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m3): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 118.8

MAGLC (ug/m3): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

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4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

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- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated

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through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2. C3, and C4.

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

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

Operations, Property, and/or Equipment - (P011) - MR11 Machine 9; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

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the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.,

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increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

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- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Eaton Corp

DTL Application: 16 02178

Facility ID: 1667020046Emissions Unit ID: **P011**

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

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

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

Operations, Property, and/or Equipment - (P012) - MR11 Machine 10; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
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1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage lamination shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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Eaton Corp

DTI Application: 16 02178

Facility ID: 1667020046

Emissions Unit ID: P012

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

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the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.,

Emissions Unit ID: **P012**

increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

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- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Eaton Corp

DTL Application: 16 02178

Facility ID:

1667020046

Emissions Unit ID: **P012**

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

Issued: 4/26/2007

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 - (P013) - MR11 Machine 11; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage lamination shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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Eaton Corp

DTI Application: 16 02178

Facility ID: 1667020046

Emissions Unit ID: P013

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on the actual 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

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"Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

Emissions Unit ID: P013

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).
 - b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility);, and for the first 12 calendar months of operation following the

Emissions Unit ID: **P013**

issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).

3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:

8.0 lbs OC / hr

40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)

24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

Issued: 4/26/2007

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

Issued: 4/26/2007

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 - (P014) - MR11 Machine 12; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Emissions Unit ID: **P014**

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Emissions Unit ID: **P014**

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m3): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 118.8

MAGLC (ug/m3): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

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4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

Emissions Unit ID: **P014**

- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:

8.0 lbs OC / hr

40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.33 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 8.1 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)

24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated

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through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2. C3, and C4.

Issued: 4/26/2007

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 - (P015) - MR11 Machine13; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Emissions Unit ID: **P015**

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Emissions Unit ID: **P015**

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m3): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 118.8

MAGLC (ug/m3): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

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4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

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- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 3.37 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 80.8 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated

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through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2. C3, and C4.

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

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

Operations, Property, and/or Equipment - (P016) - Beam Server SO1; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

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the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.,

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increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

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- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 10.2 pounds/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 244.8 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

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Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

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

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

Operations, Property, and/or Equipment - (P017) - Beam Server SO₂; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage lamination shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

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the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.,

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increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

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- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 10.2 pounds/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 244.8 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Eaton Corp

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Facility ID:

1667020046

Emissions Unit ID: **P017**

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

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

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

Operations, Property, and/or Equipment - (P018) - KARG Braider K1; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage lamination shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on the actual 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

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"Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

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4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).
 - b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility);, and for the first 12 calendar months of operation following the

Emissions Unit ID: **P018**

issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).

3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:

8.0 lbs OC / hr

40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 1.07 pounds/hr by the maximum OC content of 100%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 26.1 pounds/day by the maximum OC content of 100%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)

24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

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F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

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

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

Operations, Property, and/or Equipment - (P019) - KARG Braider K2; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Emissions Unit ID: **P019**

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Emissions Unit ID: **P019**

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m3): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 118.8

MAGLC (ug/m3): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

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4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

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- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:

8.0 lbs OC / hr

40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 1.07 pounds/hr by the maximum OC content of 100%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 26.1 pounds/day by the maximum OC content of 100%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)

24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated

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through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2. C3, and C4.

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

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

Operations, Property, and/or Equipment - (P020) - KARG Braider K3; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Emissions Unit ID: **P020**

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m3): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 118.8

MAGLC (ug/m3): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

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4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

Emissions Unit ID: **P020**

- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.99 pounds/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 26.14 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated

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through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2. C3, and C4.

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

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

Operations, Property, and/or Equipment - (P021) - KARG Braider K5; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Emissions Unit ID: **P021**

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Issued: 4/26/2007

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.,

Emissions Unit ID: **P021**

increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

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- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.99 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 26.14 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)
24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Eaton Corp

DTL Application: 16-02178

Facility ID:

1667020046

Emissions Unit ID: **P021**

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

Issued: 4/26/2007

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 - (P022) - Textile Machine; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

Issued: 4/26/2007

24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage lamination shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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Eaton Corp

DTI Application: 16 02178

Facility ID: 1667020046

Emissions Unit ID: P022

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on

Issued: 4/26/2007

the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.,

Emissions Unit ID: **P022**

increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).

Issued: 4/26/2007

- b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

Issued: 4/26/2007

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 2.3 pounds/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 55.42 pounds/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)

24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2. C3, and C4.

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Eaton Corp

DTI Application: 16 02178

Facility ID: 1667020046

Emissions Unit ID: P022

Issued: 4/26/2007

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 - (P023) - Wardwell Machine; Application of reinforcing braid to hoses and plastic tubing using adhesives. Consisting of hose reels, adhesive applicators, braiders, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage lamination shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

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Eaton Corp

DTI Application: 16 02178

Facility ID: 1667020046

Emissions Unit ID: P023

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.
2. The permit to install for this emissions unit P001 through P023 was evaluated based on the actual 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

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"Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MeCl

TLV (mg/m³): 173.68

Maximum Hourly Emission Rate (lbs/hr): 7.93

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 118.8

MAGLC (ug/m³): 4,135

3. 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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - 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.).

Emissions Unit ID: **P023**

4. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).
 - b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility);, and for the first 12 calendar months of operation following the

Emissions Unit ID: **P023**

issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).

3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:

8.0 lbs OC / hr

40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of moisture cured urethane of 0.002 pound/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of the moisture cured urethane of 0.05 pound/day by the maximum OC content of 20%, by weight.

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

- b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)

24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

Issued: 4/26/2007

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable, except Sections C.2, C3, and C4.

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

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

Operations, Property, and/or Equipment - (R001) - Precoater 1; Application of adhesives to hoses and plastic tubing. Consisting of hose reels, adhesive applicators, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).
 - b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility),; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of adhesive 2158 of 2.47 pounds/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of adhesive 2158 of 59.28 pounds/day by the maximum OC content of 20%, by weight.

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If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

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b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)

24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable.

Issued: 4/26/2007

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 - (R002) - Precoater 2; Application of adhesives to hoses and plastic tubing. Consisting of hose reels, adhesive applicators, capstan puller and reel coilers.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
ORC 3704.03(T)(4)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(C)	See B.1.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8.0 lbs/hr, or 40.0 lbs/day, on any day when employing any photochemically reactive material (see A.2.b).

2. Additional Terms and Conditions

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to PE, OC (methylene chloride)*, NO_x, CO and SO₂ emissions from this air contaminant source since the uncontrolled potential to emit for OC, NO_x, CO and SO₂ is less than ten tons per year.

*The potential to emit for OCs (methylene chloride) is 4.36 tons per year.

- 2.b The hourly and daily OC emission limitations of 8 lbs and 40 lbs, respectively, are greater than the emissions unit's potentials to emit. Therefore, no additional monitoring, record keeping, and/or reporting requirements is necessary to ensure compliance with these emission limitations.

B. Operational Restrictions

1. The total emissions of each individual HAP, and the total emissions for all combined HAPs from this facility shall not exceed 9.95 tons per rolling, 12-month period, and

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24.0 tons per, rolling 12-month period, respectively. To ensure these limits are met, Eaton Hydraulics is committing to meet the operational restrictions listed in Section B.2 of this permit.

2. The maximum annual usage rate of adhesive materials containing methylene chloride shall not exceed 10,050 gallons based upon a rolling, 12 month summation of the monthly adhesive usage rates.
3. To ensure enforceability during the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the usage rates for adhesive materials containing methylene chloride and the plant-wide emission levels specified in the following Table:

Month(s)	Maximum cumulative Adhesive Material Usage (Gallons)	Maximum Allowable Cumulative Facility-wide Emission of Each Individual HAP (Tons)	Maximum Allowable Cumulative Facility-wide Emission of total Combined HAPS (Tons)
1	1,818	1.8	4
1 - 2	3,636	3.6	8
1 - 3	4,545	4.5	10
1 - 4	5,454	5.4	12
1 - 5	6,364	6.3	14
1 - 6	7,273	7.2	16
1 - 7	9,091	9.0	18
1 - 8	10,050	9.95	20
1 - 9	10,050	9.95	22
1 - 10	10,050	9.95	24
1 - 11	10,050	9.95	24
1 - 12	10,050	9.95	24

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual emission limitations shall be based on rolling, 12-month summations of the monthly emission rates.

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual adhesive materials usage limitation shall be based on a rolling, 12-month summation of the monthly adhesive materials usage rates.

Issued: 4/26/2007

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. the company identification for each adhesive material employed;
 - b. the number of gallons of each adhesive material employed;
 - c. the number of gallons of all the adhesive materials employed;
 - d. the amount of each individual HAP in each adhesive material employed, in lbs/gallon, as applied;
 - e. the emission rate for each individual HAP from each adhesive material employed (b x d), in lbs;
 - f. the total emission rate for each individual HAP from all the adhesive materials employed (for each individual HAP, the summation of e for all adhesive materials), in lbs;
 - g. the total HAP emission rate for all HAPs combined from all the adhesive materials employed (summation of f for all HAPs for all adhesive materials), in lbs;
 - h. for the first 12 months of operation following the issuance of this permit, the cumulative monthly emission rate of each individual HAP and all HAPs combined, in tons;
 - i. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month emissions of each individual HAP and all HAPs combined, in tons.
 - j. for the first 12 months of operation following the issuance of this permit, the cumulative monthly adhesive materials usage rate, in gallons;
 - k. after the first 12 months of operation following the issuance of this permit, the rolling, 12-month adhesive materials usage rate, in gallons; and
 - l. documentation on whether or not any adhesive material employed is considered a photochemically reactive material.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Akron Regional Air Quality Management District that summarize the actual annual emissions of HAPs for the entire facility. The reports shall be submitted by April 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. All exceedances of the rolling, 12-month individual HAP and combined HAPs emission limitations of 9.95 and 24.0 tons, respectively (for the entire facility); and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative individual HAP and combined HAPs emission limitations (for the entire facility).
 - b. All exceedances of the rolling, 12-month adhesive coatings usage restriction (for the entire facility);,; and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels (for the entire facility).
3. The quarterly deviation (excursion) reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.

E. Testing Requirements

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

- a. Emission Limitations:
8.0 lbs OC / hr
40.0 lbs OC/ day

Applicable Compliance Method:

The hourly allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of adhesive 2158 of 2.47 pounds/hr by the maximum OC content of 20%, by weight.

The daily allowable OC emission limitation shall be demonstrated by multiplying the maximum usage rate of adhesive 2158 of 59.28 pounds/day by the maximum OC content of 20%, by weight.

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Issued: 4/26/2007

If required, compliance with the hourly allowable OC emission limitation shall be based on stack testing conducted in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

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b. Emission Limitations:

9.95 tons per rolling, 12-month period for each individual HAP (for the entire facility)

24.0 ton per rolling, 12-month period for the combined HAPs (for the entire facility)

Applicable Compliance Method:

Compliance with the HAP emission limitations above shall be demonstrated through the record the keeping required in section C of this permit.

F. Miscellaneous Requirements

1. All the terms and conditions of this permit are federally enforceable.