



6/17/2014

Certified Mail

James Cushing
Air Enterprises Assembly
1777 Miller Pkwy
Streetsboro, OH 44241

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MODELING SUBMITTED
Yes	SYNTHETIC MINOR TO AVOID TITLE V
Yes	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1667080058
Permit Number: P0116268
Permit Type: Initial Installation
County: Portage

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTIO is a final action of the Director 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, made payable to "Ohio Treasurer Josh Mandel," 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
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging 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 Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Akron Regional Air Quality Management District at (330)375-2480 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael W. Ahern, Manager

Permit Issuance and Data Management Section, DAPC

Cc: ARAQMD



Response to Comments

Facility ID:	1667080058
Facility Name:	Air Enterprises Assembly
Facility Description:	HVAC Equipment Manufacturing
Facility Address:	1777 Miller Pkwy Streetsboro, OH 44241 Portage County
Permit:	P0116268, Permit-To-Install and Operate - Initial Installation
A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the The Record Courier on 05/14/2014. The comment period ended on 06/13/2014.	
Hearing date (if held)	
Hearing Public Notice Date (if different from draft public notice)	

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

1. Topic: None

- a. Comment: None
- b. Response: None



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Air Enterprises Assembly**

Facility ID:	1667080058
Permit Number:	P0116268
Permit Type:	Initial Installation
Issued:	6/17/2014
Effective:	6/17/2014
Expiration:	6/17/2019



Division of Air Pollution Control
Permit-to-Install and Operate
for
Air Enterprises Assembly

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Final Permit-to-Install and Operate
Air Enterprises Assembly
Permit Number: P0116268
Facility ID: 1667080058
Effective Date: 6/17/2014

Authorization

Facility ID: 1667080058
Application Number(s): A0049956
Permit Number: P0116268
Permit Description: Initial installation FEPTIO for cleaning and coating of metal HVAC units.
Permit Type: Initial Installation
Permit Fee: \$200.00
Issue Date: 6/17/2014
Effective Date: 6/17/2014
Expiration Date: 6/17/2019
Permit Evaluation Report (PER) Annual Date: Apr 1 - Mar 31, Due May 15

This document constitutes issuance to:

Air Enterprises Assembly
1777 Miller Pkwy
Streetsboro, OH 44241

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

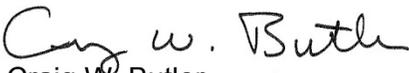
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Akron Regional Air Quality Management District
146 South High Street, Room 904
Akron, OH 44308
(330)375-2480

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section 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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Craig W. Butler
Director



Final Permit-to-Install and Operate
Air Enterprises Assembly
Permit Number: P0116268
Facility ID: 1667080058
Effective Date: 6/17/2014

Authorization (continued)

Permit Number: P0116268
Permit Description: Initial installation FEPTIO for cleaning and coating of metal HVAC units.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	K001
Company Equipment ID:	Final Unit Assembly Process
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
Air Enterprises Assembly
Permit Number: P0116268
Facility ID: 1667080058
Effective Date: 6/17/2014

A. Standard Terms and Conditions



1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is



very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions of this permit will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.



10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the [DO/LAA] in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the



change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



Final Permit-to-Install and Operate
Air Enterprises Assembly
Permit Number: P0116268
Facility ID: 1667080058
Effective Date: 6/17/2014

B. Facility-Wide Terms and Conditions



Final Permit-to-Install and Operate

Air Enterprises Assembly

Permit Number: P0116268

Facility ID: 1667080058

Effective Date: 6/17/2014

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.



Final Permit-to-Install and Operate
Air Enterprises Assembly
Permit Number: P0116268
Facility ID: 1667080058
Effective Date: 6/17/2014

C. Emissions Unit Terms and Conditions



1. K001, Final Unit Assembly Process

Operations, Property and/or Equipment Description:

Final assembly and coating of metal HVAC units – sealing/caulking, cleaning, coating, and adhesive roofing.

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. b)(1)f., d)(4)-d)(7) and e(4).
- b) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. All, except b)(1)f., d)(4)-d)(7) and e(4).

.Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	ORC 3704.03(T)	Volatile Organic Compound (VOC) emissions shall not exceed 5.68 tons per month, averaged over a 12-month rolling period.
b.	OAC rule 3745-31-05(D)	Combined annual coatings and cleanup materials input usage rates* and combined annual emissions from the entire facility shall not exceed the following as rolling, 12-month summations: 9.95 tons of any individual hazardous air pollutant (HAP); and 24.9 tons combined HAPs. See C)(1). below. *Annual VOC/HAP input rates equivalent



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		to annual VOC/HAP emission rates and are based upon 100% of the solvent in the coating and cleanup materials being emitted.
c.	OAC rule 3745-21-09(U)	The VOC content of all coatings employed shall not exceed a daily, volume-weighted average of 3.5 pounds per gallon, as applied, excluding water and exempt solvents.
d.	OAC rule 3745-21-28(C)	VOC content of the sealant shall not exceed 2.1 pounds per gallon (architectural sealant). VOC content of the adhesive shall not exceed 2.1 pounds per gallon (single-ply roof membrane adhesive).
e.	OAC rule 3745-17-11(C)	Exempt, pursuant to OAC rules 3745-17-11(A)(1)(h) & (A)(1)(j) [Coatings are applied using an airless spray or roll coating method.]
f.	OAC rule 3745-114-01 ORC 3704.03(F)(4)(b)	See d)(4) – d)(7), and e)(4) below.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) To ensure enforceability during the first 12 calendar months of operation, or the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the emission levels specified in the following table from the entire facility:

Month(s)	Maximum Allowable Cumulative Emissions of Individual HAP (Tons)	Maximum Allowable Cumulative Emissions of Combined HAPs (Tons)
1	2.50	6.25
1-2	2.50	6.25
1-3	2.50	6.25
1-4	5.00	12.50
1-5	5.00	12.50



Month(s)	Maximum Allowable Cumulative Emissions of Individual HAP (Tons)	Maximum Allowable Cumulative Emissions of Combined HAPs (Tons)
1-6	5.00	12.50
1-7	7.50	18.75
1-8	7.50	18.75
1-9	7.50	18.75
1-10	9.95	24.9
1-11	9.95	24.9
1-12	9.95	24.9

After the first 12 calendar months of operation, or the first 12 calendar months following the issuance of this permit, compliance with the annual individual and combined HAP emission limitations shall be based upon a rolling, 12-month summation of the monthly emissions..

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall maintain monthly records of the VOC emissions from all unit-cleaning solvents, coatings, and cleanup materials used in this emissions unit; and at the end of 12 months of operation, the rolling, 12-month summation of VOC emissions and the monthly average calculated over each rolling, 12-month period.
- (2) The permittee shall maintain daily records including the following information:
 - a. the name and identification number of each unit-cleaning solvents, coatings, and cleanup material, employed;
 - b. the VOC content of each unit-cleaning solvents, coatings, sealants, adhesives, and cleanup material, as applied, in pounds per gallon, excluding water and exempt solvents.;
 - c. the volume, in gallons, excluding water and exempt solvents, of each unit-cleaning solvents, coatings, sealants, adhesives, and cleanup material employed; and
 - d. if any coatings containing a VOC content greater than 3.5 pounds per gallons are employed, the daily, volume-weighted average VOC content of all coatings, as applied.
- (3) For each month, the permittee shall collect and record the following information for the purpose of calculating the rolling, 12-month summation of HAP emissions for each coating and cleanup material employed at the entire facility:



- a. the name and identification number of each unit-cleaning solvents, coatings, sealants, adhesives, and cleanup material, as applied;
- b. the individual HAP content for each HAP of each unit-cleaning solvents, coatings, sealants, adhesives, and cleanup material, in pounds of individual HAP per gallon of coating, as applied;
- c. the total combined HAPs content of each unit-cleaning solvents, coatings, sealants, adhesives, and cleanup material, in pounds of combined HAP per gallon of coating, as applied [sum all the individual HAP contents from (b)];
- d. the number of gallons of each unit-cleaning solvents, coatings, sealants, adhesives, and cleanup material employed;
- e. the total individual HAP emissions from all unit-cleaning solvents, coatings, sealants, adhesives, and cleanup material employed, in tons per month [for each HAP, the sum of (b) time (d) for all of the coatings and cleanup materials divided by 2000];
- f. the total combined HAP emissions from all unit-cleaning solvents, coatings, sealants, adhesives, and cleanup material, in tons per month [the sum of (c) times (d) for all of the unit-cleaning solvents, coatings, and cleanup material divided by 2000];
- g. the rolling, 12-month summation of individual HAP emissions from all unit-cleaning solvents, coatings, sealants, adhesives, and cleanup material employed, in tons [the sum of (e) for the previous 12 calendar months]; and
- h. the rolling, 12-month summation of the total combined HAPs emissions from all unit-cleaning solvents, coatings, sealants, adhesives, and cleanup material employed, in tons [the sum of (f) for the previous calendar months].

Also, during the first 12 calendar months of operation, the permittee shall record the cumulative individual and combined HAP emissions for each calendar month.

- (4) The federally enforceable permit-to-install and operate (FEPTIO) application for this/these emissions unit(s), K001, was evaluated based on the actual materials and the design parameters of the emissions unit's(s)' exhaust system, as specified by the permittee. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to this/these emissions unit(s) for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

- a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic



compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):

- i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or
- ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.

b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).

c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "X" hours per day and "Y" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

$$TLV/10 \times 8/X \times 5/Y = 4 TLV/XY = MAGLC$$

d. The following summarizes the results of dispersion modeling for the significant toxic contaminants or "worst case" toxic contaminant(s):

Toxic Contaminant: xylene

TLV (mg/m3): 434

Maximum Hourly Emission Rate (lbs/hr): 7.2

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 9.03

MAGLC (ug/m3): 10.3

The permittee, having demonstrated that emissions of xylene, from emissions unit(s) K001, is estimated to be equal or greater than eighty per cent, but less than 100 per cent of the maximum acceptable ground level concentration (MAGLC), shall not operate the emissions unit(s) at a rate that would exceed the daily emissions rate, process weight rate, and/or restricted hours of operations, as allowed in this permit; and any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

- (5) Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the



predicted 1-hour maximum ground-level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:

- a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and
- c. physical changes to the emissions unit(s) or its/their exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Toxic Air Contaminant Statute", ORC 3704.03(F), will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to a non-restrictive change to a parameter or process operation, where compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), has been documented. If the change(s) meet(s) the definition of a "modification", the permittee shall apply for and obtain a final FEPTIO prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.

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



that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

- (7) The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

e) Reporting Requirements

- (1) The permittee shall notify the Director (appropriate District Office or Local Air Agency) in writing of each daily record showing a daily volume-weighted average greater than 3.5 pounds VOC per gallon, as applied, excluding water and exempt solvents. The notification shall include a copy of such record and shall be sent to the Director (appropriate District Office or Local Air Agency) within 30 days after the exceedance occurs.

- (2) The permittee shall submit quarterly deviation (excursion) reports that identify:

- a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:

9.95 tons of any individual HAP for entire facility; and

24.9 tons combined HAPs for entire facility.

- b. the probable cause of each deviation (excursion);
- c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
- d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or Local Air Agency).

- (3) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA e-Business Center: Air Services by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.



- (4) The permittee shall include in the annual Permit Evaluation Report (PER) any changes made to a parameter or value used in the dispersion model, that was used to maintain compliance with the Toxic Air Contaminant Statute, ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. If no changes to the emissions, emissions unit(s), or the exhaust stack have been made, then the report shall include a statement to this effect.
 - (5) The permittee shall submit an applicability notification containing the information required in OAC rule 3745-21-28(G)(1) not later than the date of initial startup.
 - (6) The permittee shall submit an initial compliance status report in accordance with OAC rule 3745-21-28(G)(3).
- f) Testing Requirements
- (1) Compliance with the emission limitations and/or control requirements specified in b)(1) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:

VOC emissions shall not exceed 5.68 tons per month averaged over a 12-month rolling period.

Applicable Compliance Method:

Compliance with the monthly VOC limitation shall be demonstrated based on the record keeping requirements in d)(1).
 - b. Emission Limitations:

Combined annual emissions from the entire facility shall not exceed the following as rolling, 12-month summations:

9.95 tons of any individual HAP;

24.9 tons combined HAPs; and

For the first 12 months of operation, the maximum monthly cumulative individual HAP and combined Hap emissions in in c)(1)

Applicable Compliance Method:

Compliance with the rolling 12-month summation limitations shall be demonstrated based on the record keeping requirements in d)(3).
 - c. VOC Content Limitations:

The VOC content of all coatings employed shall not exceed a daily, volume-weighted average of 3.5 pounds per gallon, as applied, excluding water and exempt solvents.



Final Permit-to-Install and Operate

Air Enterprises Assembly

Permit Number: P0116268

Facility ID: 1667080058

Effective Date: 6/17/2014

VOC content of the sealant shall not exceed 2.1 pounds per gallon (architectural sealant).

VOC content of the adhesive shall not exceed 2.1 pounds per gallon (single-ply roof membrane adhesive).

Applicable Compliance Method:

Compliance with the VO content limitations above shall be demonstrated based on the record keeping requirements in d)(2).

- (2) Formulation data or USEPA Method 24 shall be used to determine the VOC content of all the coatings and cleanup materials.

g) Miscellaneous Requirements

- (1) None.