

1/26/2011

Certified Mail

Thomas Yurick  
PPG Industries - Delaware  
760 Pittsburgh Dr.  
Delaware, OH 43015

Facility ID: 0121010005  
Permit Number: P0082295  
County: Delaware

RE: DRAFT AIR POLLUTION TITLE V PERMIT  
Permit Type: Renewal

Dear Permit Holder:

A draft of the OAC Chapter 3745-77 Title V permit for the referenced facility has been issued. The purpose of this draft is to solicit public comments. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, The Delaware Gazette. A copy of the public notice, the Statement of Basis, and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc) by clicking the "Issued Air Pollution Control Permits" link. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall  
Permit Review/Development Section  
Ohio EPA, DAPC  
122 South Front Street  
Columbus, Ohio 43215

and Ohio EPA DAPC, Central District Office  
50 West Town Street, 6th Floor  
P.O. Box 1049  
Columbus, OH 43216-1049

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on processing the Title V permit will be made after consideration of comments received and oral testimony if a public hearing is conducted. You will then be provided with a Preliminary Proposed Title V permit and another opportunity to comment prior to the 45-day Proposed Title V permit submittal to U.S. EPA Region 5. The permit will be issued final after U.S. EPA review is completed and no objections to the final issuance have been received. If you have any questions, please contact Ohio EPA DAPC, Central District Office at (614)728-3778.

Sincerely,

  
Michael W. Ahern, Manager  
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA Region 5 - *Via E-Mail Notification*  
Ohio EPA-CDO



PUBLIC NOTICE  
Issuance of Draft Air Pollution Title V Permit  
PPG Industries - Delaware

Issue Date: 1/26/2011

Permit Number: P0082295

Permit Type: Renewal

Permit Description: PPG-Delaware mainly manufactures coatings for the automotive industry. The TV PTO includes fill lines, gas and oil fired boilers, high speed dispersers, spray booths, resin reactors, and tank wash and solvent recovery units.

Facility ID: 0121010005

Facility Location: PPG Industries - Delaware  
760 Pittsburgh Drive,  
Delaware, OH 43015

Facility Description: Paint and Coating Manufacturing

Scott J. Nally, Director of the Ohio Environmental Protection Agency, 50 West Town Street, Columbus Ohio, has issued a draft action of an air pollution control Title V operating permit for the facility at the location identified above on the date indicated. Comments concerning this draft action, or a request for a public meeting, must be sent in writing no later than thirty (30) days from the date this notice is published. All comments, questions, requests for permit applications or other pertinent documentation, and correspondence concerning this action must be directed to Stephanie Habinak at Ohio EPA DAPC, Central District Office, 50 West Town Street, 6th Floor P.O. Box 1049, Columbus, OH 43216-1049 or (614)728-3778. The permit, which includes a detailed description of the operations, and associated statement of basis for the permit requirements, can be downloaded from the Web page: [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc)





## Statement of Basis For Air Pollution Title V Permit

Facility ID:	0121010005
Facility Name:	PPG Industries - Delaware
Facility Description:	Paints and allied products
Facility Address:	760 Pittsburgh Drive, Delaware, OH 43015
Permit #:	P0082295, Renewal
This facility is subject to Title V because it is major for: <input type="checkbox"/> Lead <input type="checkbox"/> Sulfur Dioxide <input type="checkbox"/> Carbon Monoxide <input checked="" type="checkbox"/> Volatile Organic Compounds <input type="checkbox"/> Nitrogen Oxides <input type="checkbox"/> Particulate Matter ≤ 10 microns <input checked="" type="checkbox"/> Single Hazardous Air Pollutant <input checked="" type="checkbox"/> Combined Hazardous Air Pollutants <input checked="" type="checkbox"/> Maximum Available Control Technology Standard(s)	

### A. Standard Terms and Conditions

Has each insignificant emissions unit been reviewed to confirm it meets the definition in OAC rule 3745-77-01 (U)?	Yes.
Were there any "common control" issues associated with this facility? If yes, provide a summary of those issues and explain how the DAPC decided to resolve them.	No.
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a minor permit modification per OAC rule 3745-77-08(C)(1)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a significant permit modification per OAC rule 3745-77-08(C)(3)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document that qualify as a reopening per OAC rule 3745-77-08(D)	N/A
Please identify the affected unit(s) and associated PTI, if applicable, along with a brief description of any changes to the permit document resulting from a renewal per OAC rule 3745-77-08(E)	Spray booths...

### B. Facility-Wide Terms and Conditions

Term and Condition (paragraph)	Basis		Comments
	SIP	Other	



	(3745- )		
Miscellaneous Organic Chemical Production and Processes (MON)		40 CFR 63, FFFF	Incorporated into permit as if fully rewritten.
Miscellaneous Coating Manufacturing		40 CFR 63, HHHHH	Incorporated into permit as if fully rewritten.

**C. Emissions Unit Terms and Conditions**

Key:															Comments
EU = emissions unit ID ND = negative declaration (i.e., term that indicates that a particular rule(s) is (are) not applicable to a specific emissions unit) OR = operational restriction M = monitoring requirements St = streamlining term used to replace a PTI monitoring, record keeping, or reporting requirement with an equivalent or more stringent requirement ENF = did noncompliance issues drive the monitoring requirements? R = record keeping requirements Rp = reporting requirements ET = emission testing requirements (not including compliance method terms) Misc = miscellaneous requirements															
EU(s)	Limitation	Basis		ND	OR	M	S	ENF	R	St	Rp	St	ET	Misc	
		SIP (3745- )	Other												
B012, B013, B014	VE shall not exceed 20% opacity as a 6 min. average	17-07(A)		N	N	Y	N	N	Y	N	Y	N	N	N	ET – if required Method 9
B012, B013, B014	PE shall not exceed 0.20 lb/MMbtu of actual heat input	17-10(B)(1)		N	Y	Y	N	N	Y	N	Y	N	N	N	OR – only burn natural gas or distillate oil ET – if required Method 5
B012, B013, B014	SO <sub>2</sub> shall not exceed 1.6 lbs/MMbtu of actual heat input	18-06(D)		N	Y	Y	N	N	Y	N	Y	N	N	N	OR – only burn natural gas or distillate oil; quality of oil burned to reduce SO <sub>2</sub> emissions ET – if required Method 6



B012	Requirements meant by committing to comply with BAT	21-08(B)		N	N	Y	N	N	Y	N	Y	N	N	N	ET – if required Methods 5, 6, and 9
B012	BAT is equivalent to 3745-17-07(A), 3745-17-10(B)(1), and 3745-18-06(D)	31-05(A)(3)		N	N	Y	N	N	Y	N	Y	N	N	N	ET – if required Methods 5, 6, and 9
K002-K005	0.94 lbs and 4.1 tpy of VOC; 3.08 lbs/hr and 13.5 tpy OC; 2.4 tpy PE; requirements of this rule also include compliance with OAC rule 3745-17-11(B)(1), 3745-17-07(A), 3745-21-09(U)(2)(e)	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR – permittee shall operate the dry filtration system per OAC rule 3745-17-11(B)(1).
K002-K005	Coating usage shall not exceed 10 gallons per day	21-09(U)(2)(e)		N	Y	N	N	N	Y	N	Y	N	N	N	ET – compliance is determined by the monitoring and recordkeeping section.
K006, K007	Permittee shall operate the dry particulate filter whenever this emissions unit is in operation	17-11(C)		N	Y	Y	N	N	Y	N	Y	N	N	N	OR – Required to ensure dry filtration system is running whenever EU operates and is running properly ET – Facility is required to keep maintenance records for the dry filtration system
K006	PE shall not exceed 0.03 lb/hr and 0.13 tpy	31-05(A)(3)		N	N	N	N	N	N	N	N	N	Y	N	M, R, RP – hourly and annual limits established to reflect to the potential to emit
K007	PE shall not exceed 0.02 lb/hr and 0.09 tpy	31-05(A)(3)		N	N	N	N	N	N	N	N	N	Y	N	M, R, RP – hourly and annual limits established to reflect to the potential to emit
K006, K007	BAT no longer applies to PE from the EU since the uncontrolled PTE is less than 10 tpy.	31-05(A)(3)(iii)		Y	N	N	N	N	N	N	N	N	N	N	ND – PE limits will no longer apply once the SIP is approved



K006	VOC emissions from coating and cleanup shall not exceed 13.14 tons per rolling, 12-month period	ORC 3704.03 (T)		N	N	Y	N	N	Y	N	Y	N	Y	N	No explanation required.
K007	VOC emissions from coating and cleanup shall not exceed 14.02 tons per rolling, 12-month period	ORC 3704.03 (T)		N	N	Y	N	N	Y	N	Y	N	Y	N	No explanation required.
P003, P006	Control system shall reduce OC by an overall control efficiency of at least 85% and 90% of organic material shall be oxidized to CO <sub>2</sub>	21-07(M)(2)		N	N	Y	N	N	Y	N	Y	N	Y	N	No explanation required.
P009	VE shall not exceed 20% opacity as a 6 min. average	17-07(A)		N	N	Y	N	N	Y	N	N	N	N	N	M – pressure drop across baghouse monitored by equipment R – record pressure drop on a weekly basis during solids change RP – quarterly reports required identifying days when the control equipment was down while EU in operation ET – if required Method 9
P009, P042	PE shall not exceed 2.13 lbs/hr	17-11(B)		N	N	N	N	N	N	N	N	N	Y	N	M – pressure drop across baghouse monitored by equipment R – record pressure drop on a weekly basis during solids change RP – quarterly reports required when capture system, control device, and monitoring equipment was down while EU in operation
P008, P009, P010, P042,		21-07(G)(2)		N	N	Y	N	N	Y	N	Y	N	Y	N	No explanation required. The requirements of this rule will sunset out once US EPA approves the



P043															rule revision in the SIP.
P008, P009, P010, P042, P043	Control system shall reduce OC by an overall control efficiency of at least 85% and 90% of organic material shall be oxidized to CO <sub>2</sub>	21-07(M)(2)		N	N	Y	N	N	Y	N	Y	N	Y	N	No explanation required.
P008, P009, P010, P042, P043	The requirements of this rule also include compliance with OAC rule 3745-21-07(M)(2)	31-05(A)(3)		N	N	Y	N	N	Y	N	Y	N	Y	N	No explanation required.
P042, P043	VOC emissions shall not exceed 2.85 tpy combined for P042 and P043	31-05(A)(3)		N	N	N	N	N	N	N	N	N	Y	N	M – maintain continuous temperature monitor which measures the combustion temperature when the EU is in operation R – on a daily basis all 3-hour blocks of time during which the average combustion temperature, while the EU was in operation, was less than 1300 degrees F and a log of downtime for the control equipment when the EU was not in operation RP – quarterly reports required when capture system, control device, and monitoring equipment was down while EU in operation
P042	PE shall not exceed 2.1 tpy	31-05(A)(3)		N	N	N	N	N	N	N	N	N	Y	N	M – pressure drop across baghouse monitored by equipment R – record pressure drop on a weekly basis during solids change RP – quarterly reports required when capture



																system, control device, and monitoring equipment was down while EU in operation
P009, P042	The requirements of this rule also include compliance with OAC rule 3745-17-07(A) and 3745-17-11(B)	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N		OR – pressure drop shall be maintained between 1-3 inches of water
P083	3.34 lbs/hr and 14.6 tpy of OC; the requirements of this rule also include compliance with OAC rule 3745-21-07(G)(2)	31-05(A)(3)		N	N	Y	N	N	Y	N	Y	N	Y	N		No explanation required.
P083	8 lbs/hr and 40 lbs/day of OC	21-07(G)(2)		N	N	Y	N	N	Y	N	Y	N	Y	N		No explanation required. The requirements of this rule will sunset out once US EPA approves the rule revision in the SIP.
P093 – P107	VE shall not exceed 20% opacity as a 6 min. average	17-07(A)		N	N	Y	N	N	Y	N	N	N	N	N		M – pressure drop across baghouse monitored by equipment R – record pressure drop on a weekly basis during solids change RP – quarterly reports required when capture system, control device, and monitoring equipment was down while EU in operation ET – if required Method 9
P093-P107	Pursuant to paragraph (B)(11)(e) of OAC rule 3745-17-07, the requirements of OAC rule 17-07(B) do not apply to these emissions units.	17-07(B)		Y	N	N	N	N	N	N	N	N	N	N		The requirements of this rule do not apply to the emissions units.
P093-P107	Since the emission units are not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B) do not apply to these emissions units.	17-08(B)		Y	N	N	N	N	N	N	N	N	N	N		The requirements of this rule do not apply to the emissions units.



P093, P094, P095	PE shall not exceed 0.71 lbs/hr	17-11(B)		N	N	N	N	N	N	N	N	N	N	Y	N	M – weekly VE checks R – maintain an operation log for any days VEs present RP – semiannual report identifying any days VEs were detected and corrective actions
P096, P097, P105, P106	PE shall not exceed 0.89 lbs/hr	17-11(B)		N	N	N	N	N	N	N	N	N	N	Y	N	M – weekly VE checks R – maintain an operation log for any days VEs present RP – semiannual report identifying any days VEs were detected and corrective actions
P099, P100, P101, P102, P103, P107	PE shall not exceed 1.41 lbs/hr	17-11(B)		N	N	N	N	N	N	N	N	N	N	Y	N	M – weekly VE checks R – maintain an operation log for any days VEs present RP – semiannual report identifying any days VEs were detected and corrective actions
P104	PE shall not exceed 2.24 lbs/hr	17-11(B)		N	N	N	N	N	N	N	N	N	N	Y	N	M – weekly VE checks R – maintain an operation log for any days VEs present RP – semiannual report identifying any days VEs were detected and corrective actions
P109, P110, P459, P460	VE shall not exceed 20% opacity as a 6 min. average	17-07(A)		N	N	Y	N	N	Y	N	Y	N	N	N	N	ET – if required Method 9
P109, P110, P459,	Pursuant to paragraph (B)(11)(e) of OAC rule 3745-17-07, the requirements of OAC	17-07(B)		Y	N	N	N	N	N	N	N	N	N	N	N	The requirements of this rule do not apply to the emissions units.



P460	rule 17-07(B) do not apply to these emissions units.														
P109, P110, P459, P460	Since the emission units are not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B) do not apply to these emissions units.	17-08(B)		Y	N	N	N	N	N	N	N	N	N	N	The requirements of this rule do not apply to the emissions units.
P109, P110, P456, P460	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)	17-11(B)		Y	N	N	N	N	N	N	N	N	N	N	The requirements of this rule do not apply to the emissions units.
P109, P110	OC emissions shall not exceed 0.895 lbs/hr, 21.48 lbs/day, and 3.92 tpy.  PE from the baghouse stack shall not exceed 0.0002 lb/hr and 0.001 tpy	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR – emissions shall be covered with a vessel lid at all times except when necessary to add ingredients or take samples; baghouse shall operate throughout any addition of pigments to the batch
P459	PE from the baghouse stack shall not exceed 0.001 lb/hr and 0.005 tpy	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR – emissions shall be covered with a vessel lid at all times except when necessary to add ingredients or take samples; baghouse shall operate throughout any addition of pigments to the batch
P460	PE from the baghouse stack shall not exceed 0.003 lb/hr and 0.014 tpy	31-05(A)(3)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR – emissions shall be covered with a vessel lid at all times except when necessary to add ingredients or take samples; baghouse shall operate throughout any addition of pigments to the batch
P109, P110, P459,	The requirements of this rule also include compliance with OAC rule 3745-17-07(A).	31-05(A)(3)		N	N	Y	N	N	Y	N	Y	N	Y	N	No explanation required.



P460															
P461	4.5 tpy of OC; the requirements of this rule are equivalent to the requirements of OAC rule 3745-21-07(G)(2)	31-05(A)(3)		N	N	Y	N	N	Y	N	Y	N	Y	N	No explanation required.
P461	8 lbs/hr and 40 lbs/day OC	21-07(G)(2)		N	N	Y	N	N	Y	N	Y	N	Y	N	No explanation required. The requirements of this rule will sunset out once US EPA approves the rule revision in the SIP.





**DRAFT**

**Division of Air Pollution Control  
Title V Permit  
for  
PPG Industries - Delaware**

Facility ID:	0121010005
Permit Number:	P0082295
Permit Type:	Renewal
Issued:	1/26/2011
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance





Division of Air Pollution Control
Title V Permit
for
PPG Industries - Delaware

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## Authorization

Facility ID: 0121010005

Facility Description: Paints and allied products

Application Number(s): A0012582, A0012583, A0040109

Permit Number: P0082295

Permit Description: PPG-Delaware mainly manufactures coatings for the automotive industry. The TV PTO includes fill lines, gas and oil fired boilers, high speed dispersers, spray booths, resin reactors, and tank wash and solvent recovery units.

Permit Type: Renewal

Issue Date: 1/26/2011

Effective Date: To be entered upon final issuance

Expiration Date: To be entered upon final issuance

Superseded Permit Number: P0082293

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

PPG Industries - Delaware  
760 Pittsburgh Drive  
Delaware, OH 43015

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Central District Office  
50 West Town Street, 6th Floor  
P.O. Box 1049  
Columbus, OH 43216-1049  
(614)728-3778

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Ohio EPA DAPC, Central District Office. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally  
Director



## **A. Standard Terms and Conditions**



**1. Federally Enforceable Standard Terms and Conditions**

- a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:
- (1) Standard Term and Condition A. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions
  - (2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions
  - (3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting
  - (4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

*(Authority for term: ORC 3704.036(A))*

**2. Monitoring and Related Record Keeping and Reporting Requirements**

- a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
- (1) The date, place (as defined in the permit), and time of sampling or measurements.
  - (2) The date(s) analyses were performed.
  - (3) The company or entity that performed the analyses.
  - (4) The analytical techniques or methods used.
  - (5) The results of such analyses.
  - (6) The operating conditions existing at the time of sampling or measurement.

*(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))*

- b) 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 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.

*(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))*

- c) The permittee shall submit required reports in the following manner:
- (1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

**Effective Date:** To be entered upon final issuance

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c). In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis. Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions. *(Authority for term: OAC rule 3745-77-07(A)(3)(c))*

- (2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter. In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation. These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the

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permit as required by such rule. If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition. See A.29 below if no deviations occurred during the quarter.

*(Authority for term: OAC rule 3745-77-07(A)(3)(c))*

- (3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule. In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above. If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.

*(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))*

- (4) Each written report shall be signed by a responsible official certifying that, "based on information and belief formed after reasonable inquiry, the statements and information in

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the report (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

*(Authority for term: OAC rule 3745-77-07(A)(3)(iv))*

- (5) Reports of any required monitoring and/or record keeping information shall be submitted to Ohio EPA DAPC, Central District Office.

*(Authority for term: OAC rule 3745-77-07(A)(3)(c))*

### 3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance 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). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.

*(Authority for term: OAC rule 3745-77-07(A)(3)(c))*

### 4. Risk Management Plans

If applicable, the permittee shall develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. § 7401 et seq. ("Act"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

- a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or
- b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

*(Authority for term: OAC rule 3745-77-07(A)(4))*

### 5. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

*(Authority for term: OAC rule 3745-77-07(A)(5))*

### 6. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

*(Authority for term: OAC rule 3745-77-07(A)(6))*

## 7. General Requirements

- a) The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with Standard Term and Condition A.11 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d) This permit does not convey any property rights of any sort, or any exclusive privilege.
- e) 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 request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.
- f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:
  - (1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or
  - (2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or
  - (3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminant sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

*(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))*

**8. 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.

*(Authority for term: OAC rule 3745-77-07(A)(8))*

**9. Marketable Permit Programs**

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

*(Authority for term: OAC rule 3745-77-07(A)(9))*

**10. Reasonably Anticipated Operating Scenarios**

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.

*(Authority for term: OAC rule 3745-77-07(A)(10))*

**11. Reopening for Cause**

This Title V permit will be reopened prior to its expiration date under the following conditions:

- a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.
- b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.
- c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

*(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))*

**12. Federal and State Enforceability**

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the



potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.  
(Authority for term: OAC rule 3745-77-07(B))

### 13. Compliance Requirements

- a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - (1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
  - (3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - (4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c) The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
  - (1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - (2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:
  - (1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.

- (2) Compliance certifications shall include the following:
- a. An identification of each term or condition of this permit that is the basis of the certification.
  - b. The permittee's current compliance status.
  - c. Whether compliance was continuous or intermittent.
  - d. The method(s) used for determining the compliance status of the source currently and over the required reporting period.
  - e. Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
- (3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

*(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))*

#### 14. Permit Shield

- a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.
- b) This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

*(Authority for term: OAC rule 3745-77-07(F))*

#### 15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

*(Authority for term: OAC rules 3745-77-07(H)(1) and (2))*

**16. Emergencies**

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

*(Authority for term: OAC rule 3745-77-07(G))*

**17. Off-Permit Changes**

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

- a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.
- b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.
- c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).
- d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.
- e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit-to-install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

*(Authority for term: OAC rule 3745-77-07(I))*

**18. Compliance Method Requirements**

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

*(This term is provided for informational purposes only.)*

**19. Insignificant Activities or Emissions Levels**

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.

*(Authority for term: OAC rule 3745-77-07(A)(1))*

**20. Permit to Install Requirement**

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

*(Authority for term: OAC rule 3745-77-07(A)(1))*

**21. 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.

*(Authority for term: OAC rule 3745-77-07(A)(1))*

**22. Permanent Shutdown of an Emissions Unit**

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down. After the date on which an emissions unit is permanently shut down (i.e., that 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 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.

*(Authority for term: OAC rule 3745-77-01)*

**23. Title VI Provisions**

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

- a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.
- b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.



- c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

*(Authority for term: OAC rule 3745-77-01(H)(11))*

**24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only**

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or record keeping 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 (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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.)

**25. Records Retention Requirements Under State Law Only**

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.

**26. Inspections and Information Requests**

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

*(Authority for term: OAC rule 3745-77-07(C))*



**27. 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).

**28. 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.

*(Authority for term: OAC rule 3745-77-01(C))*

**29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations**

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

- a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or
- b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or
- c) where the company's responsible official has certified that an emissions unit has been permanently shut down.

## **B. Facility-Wide Terms and Conditions**



1. Applicable Emissions Limitations and/or Control Requirements

- a) The specific operations(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. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Rows include CFR Part 63, Subpart FFFF and Subpart A (40 CFR Part 63.1-16) with references to a)(1)a, b, c, d.

(1) Additional Terms and Conditions

- a. The permittee is subject to the applicable emissions limitation(s) and/or control measures, operational restrictions, monitoring and/or recordkeeping requirements, reporting requirements, testing requirements and the general and/or other requirements specified in 40 CFR Part 63, Subpart FFFF Miscellaneous Organic Chemical Production and Processes (MON). In accordance with 40 CFR Part 63, Subpart FFFF (including the Tables and Appendices referenced in Subpart FFFF), which are included in the text of Attachment 2 hereto, and are hereby incorporated into this permit as if fully rewritten.
b. Table 12 to subpart FFFF of 40 CFR Part 63 - "Applicability of General provisions to Subpart FFFF of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.
c. The permittee has elected to use the "emission rate with add-on controls option" to comply with this limitation. Existing coating operations at the facility are controlled by one thermal oxidizer. Per the MACT, a facility may use this option "for any coating operation, for any group of coating operations in the affected source, or for all of the coating operations in the affected source. The permittee may include both controlled and uncontrolled coating operations in a group for which the permittee uses this option." The affected sources considered in the compliance determination will be the collection of equipment, activities, or both, within a single contiguous area and under common control. The permittee must demonstrate that the total of all adhesives and solvents used, in sources throughout the facility that are subject to 40 CFR Part 63, Subpart HHHHH, meet the overall emission limitations after applying emissions reductions achieved by emission capture systems and add-on controls.



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- d. Table 10 to subpart HHHHH of 40 CFR Part 63 - "Applicability of General Provisions to Subpart HHHHH of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the appropriate Ohio EPA District office or local air agency.
2. All the facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:
    - a) None.

## **C. Emissions Unit Terms and Conditions**



1. P083, Volumetric Machine Fill #1

Operations, Property and/or Equipment Description:

Machine Fill Line #4

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

(1) d)(2)-(5) and e)(1)c.

b) 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.	OAC rule 3745-31-05(A)(3)  (Established by PTI 01-12125, issued final 9/11/2007)	Emissions shall not exceed:  3.34 lbs/hr and 14.6 tons/year of organic organic compounds (OC) from coating operations  The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G)(2).  Emissions of OC shall not exceed 8 lbs/hr and 40 lbs/day.  See b)(2)a.
b.	OAC rule 3745-21-07(G)(2)	Emissions of OC shall not exceed 8 lbs/hr and 40 lbs/day.  See b)(2)b.
c.	Ohio Air Toxic Policy	See d)(2)-(5) and e)(1)c.

(2) Additional Terms and Conditions

a. The hourly and yearly OC emission limitation is established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop monitoring, recordkeeping and/or reporting requirements to ensure compliance with these limits.

b. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of

the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

- c) Operational Restrictions
  - (1) None.
- d) Monitoring and/or Recordkeeping Requirements
  - (1) The permittee shall collect and record the following information for each day for the coating operation:
    - a. the company identification for each coating and photochemically reactive cleanup material employed;
    - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
    - c. the organic compound content of each coating and photochemically reactive material, in pounds per gallon;
    - d. the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
    - e. the total number of hours the emissions unit was in operation; and
    - f. the average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C); OAC rule 3745-31-05(A)(3); OAC rule 3745-21-07(G)]

- (2) The permit to install (PTI) application for this/these emissions unit(s), P083, 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 at over one ton per year 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

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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., "24" hours per day and "7" 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):

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

- d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Toxic Contaminant: Toluene

TLV (mg/m<sup>3</sup>): 188.43 (50 ppm)

Maximum Hourly Emission Rate (lbs/hr): 3.34

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m<sup>3</sup>): 3,302.45

MAGLC (ug/m<sup>3</sup>): 4,486

The permittee, has demonstrated that emissions of Toluene, from emissions unit(s) P083, is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); 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).

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[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

- (3) 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" 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 PTI 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.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

- (4) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):
- 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);

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- 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.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

- (5) 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.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that include the following information:
  - a. an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day;
  - b. an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day; and
  - c. any changes made to a parameter or value used in the dispersion model, that was used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration; or if no changes to the emissions, emissions unit(s), or the exhaust stack have been made, a statement to this effect.

The quarterly deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

- (2) The permittee shall also submit annual reports that specify the total organic compound emissions from this emissions unit for the previous calendar year. The reports shall be

submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

(1) Compliance with the emission limitations in Section b)(2) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitations

Emissions of OC shall not exceed 3.34 lbs/hr

Compliance Method

Compliance for the hourly emission rate shall be based upon the records required in Section d)(1)f. of these terms and conditions.

[Authority for term: OAC rule 3745-77-07(C)(1)]

b. Emission Limitation

Emissions of OC shall not exceed 8 lbs/hr

Compliance Method

Compliance for the hourly emission rate shall be based upon the records required in Section d)(1)f. of these terms and conditions.

[Authority for term: OAC rule 3745-77-07(C)(1)]

c. Emission Limitation

14.6 tons per year (tpy) OC

Compliance Method

The annual limit is based upon the hourly emissions limitations times the maximum operating schedule of 8,760 hours per year, divided by 2,000 lbs per ton.

$$(3.34 \text{ lbs OC/hr}) \times (8760 \text{ hr/yr}) \times (1 \text{ ton}/2000 \text{ lbs}) = 14.6 \text{ tpy}$$

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained.

[Authority for term: OAC rule 3745-77-07(C)(1)]

d. Emission Limitation

Emissions of OC shall not exceed 40 lbs / day.

Compliance Method

Formulation data or USEPA Method 24 shall be used to determine the OC contents of the photochemically reactive material. No stack testing is specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A). Compliance for the daily emission rate shall be based upon the records required in Section d)(1)d. of these terms and conditions and the following equations:

The transfer loss equation

$$\text{lbs VOC emissions/day} = (\text{MW}^*) \times n$$

Ideal gas law:  $PV=nRT$

$$n = (P) \times (V) \times (1/R) \times (1/T) \times (1\text{ft}^3 / 7.48 \text{ gal})$$

where:

MW = molecular weight of vapor for(lbs/mol)

P = vapor pressure of the transferred material at the transfer temperature (mmHg)

V = volume of the displaced vapor = volume of material transferred (gallons/day)

R = 555 mmHg-ft<sup>3</sup>/ lbmol - °R

T = transfer temperature (°R) \*\*

note:

\* for each component of the solvent mixture

\*\* °R = °F + 460

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.



2. P461, 5 gal Fill Line

Operations, Property and/or Equipment Description:

5 Gallon Fill Machine

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

(1) d)(3)-(6) and e)(1)c.

b) 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.

Table with 3 columns: Row Label, Applicable Rules/Requirements, and Applicable Emissions Limitations/Control Measures. Rows include OAC rule 3745-31-05(A)(3), OAC rule 3745-21-07(G)(2), and Ohio Air Toxic Policy.

(2) Additional Terms and Conditions

a. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

(1) None.

## d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall collect and record the following information for each day for the coating operation:
  - a. the number of gallons of each photochemically and non photochemically reactive material employed each day;
  - b. the total OC emission rate for all photochemically and nonphotochemically reactive materials, in pounds per day;
  - c. the total hours of operation for each day;
  - d. the average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of “photochemically reactive” and “nonphotochemically reactive” are based upon OAC rule 3745-21-01(C)(5).]

[Authority for term: OAC rule 3745-77-07(C); OAC rule 3745-31-05(A)(3); OAC rule 3745-21-07(G)]

- (2) The total OC emission rate for all photochemically and nonphotochemically reactive materials in pounds per month.
- (3) The permit to install (PTI) application for this/these emissions unit(s), P461, 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 at over one ton per year 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., “24” hours per day and “7” 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 (emitted at 1 or more tons/year) or “worst case” toxic contaminant(s):

Toxic Contaminant: Toluene

TLV (mg/m<sup>3</sup>): 188.43 (50 ppm)

Maximum Hourly Emission Rate (lbs/hr): 0.34

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m<sup>3</sup>): 5.214

MAGLC (ug/m<sup>3</sup>): 4,486

The permittee, has demonstrated that emissions of Toluene, from emissions unit(s) P083, is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); 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).

[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

- (4) 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:

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- 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" 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 PTI 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.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

- (5) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):
  - 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.

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[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

- (6) 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.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that include the following information:
- an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day;
  - an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day; and
  - any changes made to a parameter or value used in the dispersion model, that was used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration; or if no changes to the emissions, emissions unit(s), or the exhaust stack have been made, a statement to this effect.

The quarterly deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

- (2) The permittee shall also submit annual reports that specify the total organic compound emissions from this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(2) of these terms and conditions shall be determined in accordance with the following methods:



a. Emission Limitation

4.5 tons per year (tpy) OC

Compliance Method

The annual limit is based upon the hourly emissions limitations times the maximum operating schedule of 8,760 hours per year, divided by 2,000 lbs per ton.

$$(3.34 \text{ lbs OC/hr}) \times (8760 \text{ hr/yr}) \times (1 \text{ ton}/2000 \text{ lbs}) = 14.6 \text{ tpy}$$

Compliance with the annual limitation shall be assumed as long as compliance with the hourly limitation is maintained.

[Authority for term: OAC rule 3745-77-07(C)(1)]

b. Emission Limitation

Emissions of OC shall not exceed 8 lbs/hr

Compliance Method

Compliance for the hourly emission rate shall be based upon the records required in Section d)(1)d. of these terms and conditions.

[Authority for term: OAC rule 3745-77-07(C)(1)]

c. Emission Limitation

Emissions of OC shall not exceed 40 lbs / day.

Compliance Method

Formulation data or USEPA Method 24 shall be used to determine the OC contents of the photochemically reactive material. No stack testing is specifically required to demonstrate compliance with this emission limitation but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A). Compliance for the daily emission rate shall be based upon the records required in Section A.III.1.a. of these terms and conditions and the following equations:

The transfer loss equation

$$\text{lbs VOC emissions/day} = (MW^*) \times n$$

Ideal gas law:  $PV=nRT$

$$n = (P) \times (V) \times (1/R) \times (1/T) \times (1\text{ft}^3 / 7.48 \text{ gal})$$

where:

MW = molecular weight of vapor for(lbs/mol)

P = vapor pressure of the transferred material at the transfer temperature (mmHg)

V = volume of the displaced vapor = volume of material transferred (gallons/day)



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$R = 555 \text{ mmHg-ft}^3 / \text{lbmol} \cdot ^\circ\text{R}$   
 $T = \text{transfer temperature } (^\circ\text{R})^{**}$

note:

\* for each component of the solvent mixture

\*\*  $^\circ\text{R} = ^\circ\text{F} + 460$

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.



3. Emissions Unit Group - Boilers: B012, B013, B014,

Table with 2 columns: EU ID, Operations, Property and/or Equipment Description. Rows for B012, B013, B014.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(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.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Rows a, b, c, d.

(2) Additional Terms and Conditions

(a) None.

c) Operational Restrictions

(1) The permittee shall burn only natural gas or distillate oil in this emissions unit.

[Authority for term: OAC rule 3745-77-07(A)(1)]

(2) The quality of the oil burned in this emissions unit shall have a combination of heat and sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.6 lbs/MMBtu actual heat input.

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[Authority for term: OAC rule 3745-18-06(D) and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than natural gas and/or distillate oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for term: OAC rule 3745-77-07(C)]

- (2) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the fuel oil type (number 2, 4, or 6), the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

- (3) The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods, such as D240 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter and D4294, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, or equivalent methods as approved by the Director.

[Authority for term: OAC rule 3745-18-04(E)(3), OAC rule 3745-18-04(I), and OAC rule 3745-77-07(C)]

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or distillate oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

- (2) The permittee shall notify the Director (the Ohio EPA, Central District Office) in writing of any record which shows an exceedance of the lbs of sulfur dioxide/MMBtu emission limitation, based upon the calculated sulfur dioxide emission rates from Section d)(2). The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Central District Office) within 30 days after the deviation occurs.

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

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(a) Emission Limitation

Visible particulate emissions from the stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method(s)

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

[Authority for term: OAC rule 3745-17-03(B)(1)(a) and OAC rule 3745-77-07(C)(1)]

(b) Emission Limitation

PE shall not exceed 0.020 lb/MMBtu actual heat input

Applicable Compliance Method(s)

When firing natural gas, compliance with this emission limitation may be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (16.738 ft<sup>3</sup>/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors," Table 1.4-2 (7/98) for filterable particulates in natural gas combustion (1.9 lbs of particulates/MMft<sup>3</sup>), and dividing by the maximum hourly heat input capacity of the emissions unit (16.738 MMBtu/hr).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 while firing distillate oil.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(c) Emission Limitation

Sulfur dioxide emissions shall not exceed 1.6 lb/MMBtu actual heat input

Applicable Compliance Method(s)

When firing distillate oil, compliance with the allowable sulfur dioxide emission limitation may be demonstrated by documenting that the sulfur content of each shipment of oil received during a calendar month meets the limitation.

When firing natural gas, compliance with this emission limitation may be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4, and 6, while firing distillate oil.

[Authority for term: OAC rule 3745-77-07(C)(1)]

**Draft Title V Permit**

PPG Industries - Delaware

**Permit Number:** P0082295

**Facility ID:** 0121010005

**Effective Date:** To be entered upon final issuance

g) Miscellaneous Requirements

(1) None.

**Effective Date:** To be entered upon final issuance

**4. Emissions Unit Group - High Speed Dispensers #1: P093, P094, P095, P096, P097, P099, P100, P101, P102, P103, P104, P105, P106, P107,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
P093	High speed disperser used to mix raw materials in paint manufacturing.
P094	High speed disperser used to mix raw materials in paint manufacturing.
P095	High speed disperser used to mix raw materials in paint manufacturing.
P096	High speed disperser used to mix raw materials in paint manufacturing.
P097	High speed disperser used to mix raw materials in paint manufacturing.
P099	High speed disperser used to mix raw materials in paint manufacturing.
P100	High speed disperser used to mix raw materials in paint manufacturing.
P101	High speed disperser used to mix raw materials in paint manufacturing.
P102	High speed disperser used to mix raw materials in paint manufacturing.
P103	High speed disperser used to mix raw materials in paint manufacturing.
P104	High speed disperser used to mix raw materials in paint manufacturing.
P105	High speed disperser used to mix raw materials in paint manufacturing.
P106	High speed disperser used to mix raw materials in paint manufacturing.
P107	High speed disperser used to mix raw materials in paint manufacturing.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(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. 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.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
b.	OAC rule 3745-17-07(B)	See b)(2)a.
c.	OAC rule 3745-17-08(B)	See b)(2)b.
d.	OAC rule 3745-17-11(B)	<p><u>For emissions units P093, P094, and P095:</u>            Particulate emissions (PE) shall not exceed 0.71 pounds per hour (lbs/hr), based on Table I which is more stringent than the allowable PE rate from Figure II.</p> <p><u>For emissions units P096, P097, P105, and P106:</u>            PE shall not exceed 0.89 lbs/hr based on</p>

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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>Table I which is more stringent than the allowable PE rate from Figure II.</p> <p><u>For emissions units P099, P100, P101, P102, P103, and P107:</u>            PE shall not exceed 1.41 lbs/hr based on Table I which is more stringent than the allowable PE rate from Figure II.</p> <p><u>For emissions unit P104:</u>            PE shall not exceed 2.24 lbs/hr based on Table I which is more stringent than the allowable PE rate from Figure II.</p>

(2) Additional Terms and Conditions

- a. Pursuant to paragraph (B)(11)(e) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B) do not apply to this emissions unit.
- b. Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

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

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If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the weekly check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

[Authority for term: OAC rule 3745-17-07(A)(1) and OAC rule 3745-77-07(C)]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that identify:

- a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit; and
- b. any corrective actions taken to minimize or 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 period.

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

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

a. Emission Limitation

Visible particulate emissions from the stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method(s)

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

[Authority for term: OAC rule 3745-17-03(B)(1)(a) and OAC rule 3745-77-07(C)(1)]

b. Emission Limitation

PE shall not exceed 0.71 lbs/hr, based on Table I which is more stringent than the allowable PE rate from Figure II, for emissions units P093, P094, and P095.

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Applicable Compliance Method(s)

Compliance with the hourly emission limitation may be demonstrated by multiplying the emission factor of 5.5 lbs of particulates/ton of paint produced (AIRS, 3/90, 30101401) by the maximum amount of paint that can be produced (0.0725 ton/hr), and by the assumed control efficiency (CE) of the baghouse (1-0.98).

If required, the permittee shall demonstrate compliance by emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rule 3745-77-07(C)(1)]

c. Emission Limitation

PE shall not exceed 0.89 lbs/hr, based on Table I which is more stringent than the allowable PE rate from Figure II, for emissions units P096, P097, P105, and P106.

Applicable Compliance Method(s)

Compliance with the hourly emission limitation may be demonstrated by multiplying the emission factor of 5.5 lbs of particulates/ton of paint produced (AIRS, 3/90, 30101401) by the maximum amount of paint that can be produced (0.1015 ton/hr), and by the assumed control efficiency (CE) of the baghouse (1-0.98).

If required, the permittee shall demonstrate compliance by emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rule 3745-77-07(C)(1)]

d. Emission Limitation

PE shall not exceed 1.41 lbs/hr, based on Table I which is more stringent than the allowable PE rate from Figure II, for emissions units P099, P100, P101, P102, P103, and P107.

Applicable Compliance Method(s)

Compliance with the hourly emission limitation may be demonstrated by multiplying the emission factor of 5.5 lbs of particulates/ton of paint produced (AIRS, 3/90, 30101401) by the maximum amount of paint that can be produced (0.4050 ton/hr), and by the assumed control efficiency (CE) of the baghouse (1-0.98).

If required, the permittee shall demonstrate compliance by emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the

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procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rule 3745-77-07(C)(1)]

e. Emission Limitation

PE shall not exceed 2.24 lbs/hr, based on Table I which is more stringent than the allowable PE rate from Figure II, for emissions units P104.

Applicable Compliance Method(s)

Compliance with the hourly emission limitation may be demonstrated by multiplying the emission factor of 5.5 lbs of particulates/ton of paint produced (AIRS, 3/90, 30101401) by the maximum amount of paint that can be produced (0.4050 ton/hr), and by the assumed control efficiency (CE) of the baghouse (1-0.98).

If required, the permittee shall demonstrate compliance by emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

**Effective Date:** To be entered upon final issuance

**5. Emissions Unit Group - High Speed Dispensers #2: P109, P110, P459, P460,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
P109	High speed disperser used to mix raw materials in paint manufacturing.
P110	High speed disperser used to mix raw materials in paint manufacturing.
P459	High speed disperser used to mix raw materials in paint manufacturing.
P460	High speed disperser used to mix raw materials in paint manufacturing.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(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. 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.	OAC rule 3745-31-05(A)(3)  (For P109 and P110 established by PTI 01-07324, issued final 3/15/2000. For P459 and P460 established by PTI 01-08099, issued final 2/2/2000)	<u>For emissions unit P109 and P110:</u> Organic compound (OC) emissions shall not exceed 0.895 pound per hour (lbs/hr); OC emissions shall not exceed 21.48 pounds per day (lbs/day); OC emissions shall not exceed 3.92 tons per year (tpy); particulate emissions from the baghouse stack shall not exceed 0.0002 lb/hr; and particulate emissions from the baghouse stack shall not exceed 0.001 tpy.  <u>For emissions unit P459:</u> PE from the baghouse stack shall not exceed 0.001 lb/hr and 0.005 tpy.  <u>For emissions unit P460:</u> PE from the baghouse stack shall not exceed 0.003 lb/hr and 0.014 tpy.  <u>For emissions units P109, P110, P459, and P460:</u> See b)(2)a.
b.	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
c.	OAC rule 3745-17-07(B)	For emissions units P109, P110, P459,

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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<u>and P460:</u> See b)(2)b.
d.	OAC rule 3745-17-08(B)	<u>For emissions units P109, P110, P459, and P460:</u> See b)(2)c.
e.	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
- b. Pursuant to paragraph (B)(11)(e) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B) do not apply to these emissions units.
- c. Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B) do not apply to these emissions units.

c) Operational Restrictions

- (1) The emission unit shall be covered with a vessel lid at all times except when operator access is necessary to add ingredients or take samples.

[Authority for term: OAC rule 3745-77-07(A)(1)]

- (2) The permittee shall operate the baghouse throughout any addition of pigments to the batch.

[Authority for term: OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records that document any time periods when the baghouse was not in service when the emissions unit was in operation.

- (1) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;

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- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emissions incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the weekly check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

[Authority for term: OAC rule 3745-17-07(A)(1) and OAC rule 3745-77-07(C)]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that identify:

- a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit; and
- b. any corrective actions taken to minimize or 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 period.

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

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

- a. Emission Limitation

Visible particulate emissions from the stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method(s)

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

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[Authority for term: OAC rule 3745-17-03(B)(1)(a) and OAC rule 3745-77-07(C)(1)]

(2) Emission Limitation

For emissions units P109 and P110, PE from the baghouse shall not exceed 0.0002 lb/hr and 0.001 tpy

Applicable Compliance Method(s)

Compliance with the hourly emission limitation may be demonstrated by multiplying the emission factor of 20 lbs PE/ton paint produced (AP-42, 6.4-1, 5/83) by the maximum amount of paint that can be produced (0.0345 ton/hr), and by the assumed control efficiency (CE) of the baghouse (1-0.9997).

If required, the permittee shall demonstrate compliance by emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

Compliance with the annual emission limitation shall be demonstrated by multiplying the allowable emission rate of 0.0002 lbs PE/hr by the actual hours of operation per year, and dividing by 2000 lbs/ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(3) Emission Limitation

For emissions units P109 and P110, OC emissions shall not exceed 0.895 lb/hr; 21.48 lbs/day; and 3.92 tpy

Compliance Method(s)

Compliance with the hourly rate shall be based on the emission rate from the most recent stack test for this emissions unit or a similar emissions unit.

Compliance with the daily OC emission limitation shall be determined by multiplying the hourly emission rate from the most recent emission test for this emissions unit or a similar emissions unit (lb OC/hr by 24 hrs/day).

Compliance with the annual OC emission limitation shall be determined by multiplying the hourly emission rate from the most recent emission test for this emissions unit or a similar emissions unit (lb OC/hr by 8760 hrs/yr and dividing by 2000 lbs/ton).

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

- (4) The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
- (5) The emission testing shall be conducted to demonstrate compliance with the capture efficiency and control efficiency limitations for OC.

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- (6) The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or 25A

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

- (7) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
- (8) The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
- (9) Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
- (10) Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- (11) A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

- (1) None.

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**6. Emissions Unit Group - LOS Lab Spray Booths: K002, K003, K004, K005,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
K002	New LOS Spraybooth - no.1
K003	New LOS Spraybooth - no.2
K004	New LOS Spraybooth - no.3
K005	New LOS Spraybooth - no.4

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

(1) d)(6)-(9)

b) 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.	OAC rule 3745-31-05(A)(3)  (Established by PTI 01-08599, issued final 7/3/2002)	Volatile organic compound (VOC) emissions shall not exceed 0.94 lb/hr and 4.1 tons/yr.  Organic compound (OC) emissions shall not exceed 3.08 lbs/hr and 13.5 tons/yr.  Particulate emissions (PE) shall not exceed 0.551 lbs/hr and 2.4 tons/yr.  The requirements of this rule include compliance with the requirements of OAC rule 3745-17-11(B)(1) and OAC rule 3745-21-09(U)(2)(e).  See b)(2)a.
b.	OAC rule 3745-17-11(C)	See Section b)(2)b., b(2)c., c(1), c(2), and d(1) - (5)
c.	OAC rule 3745-21-09(U)(2)(e)	Coating usage shall not exceed 10 gallons per day.
d.	Ohio Air Toxic Policy	See d)(6)-(9)

(2) Additional Terms and Conditions

a. The 0.94 lb VOC/hr, 4.1 tons VOC/yr, 3.08 lbs OC/hr and 13.5 tons OC/yr emission limitations were established to reflect the potential to emit and to show compliance with the Ohio EPA Air Toxics Policy. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to ensure compliance with these limits.

b. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C), pertaining to control requirements for particulate emissions from surface coating processes. These control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements contained in this permit shall become federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan.

[Authority for term: OAC rule 3745-17-11(C)]

c. The Permittee shall operate the dry particulate filter whenever this emissions unit is in operation.

[Authority for term: OAC rule 3745-17-11(C)(1) and OAC rule 3745-31-05(D)]

c) Operational Restrictions

(1) The permittee shall install and operate a dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(2) The permittee shall expeditiously repair the dry particulate filter or otherwise return it to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

[Authority for term: OAC rule 3745-17-11(C)(2)(e)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a)]

(2) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the

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permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- (3) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- (4) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:
- a. the date of the inspection;
  - b. a description of each/any problem identified and the date it was corrected;
  - c. a description of any maintenance and repairs performed; and
  - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(d) and (f)]

- (5) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(f) and (g) for OAC rule 3745-17-11(C)(1)]

- (6) The permit to install (PTI) application for this/these emissions unit(s), K002-K005, 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 at over one ton per year 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

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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., "24" hours per day and "7" 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):

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

- d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Toxic Contaminant: Acetone

TLV (mg/m3): 1187

Maximum Hourly Emission Rate (lbs/hr): 12.32

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 4909

MAGLC (ug/m3): 28,262

The permittee, has demonstrated that emissions of Acetone, from emissions unit(s) P083, is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); 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).

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[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

- (7) 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" 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 PTI 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.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

- (8) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):
- 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);

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- 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.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

- (9) 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.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4); OAC rule 3745-114-01; Option A, Engineering Guide #70]

e) Reporting Requirements

- (1) The permittee shall notify Central District Office (CDO) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the CDO within 30 days after the event occurs.

[Authority for term: OAC rule 3745-77-07(A)(3)(c) and OAC rule 3745-17-11(B)(1)]

f) Testing Requirements

- (1) Compliance with the emission limitation(s) in Section b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation:

VOC emissions shall not exceed 0.94 lb/hr

- Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the maximum VOC content of the coating (5 lbs VOC per gallon) by the maximum usage in one hour (0.1875 gallon per hour).

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18 or 25, as appropriate.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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b. Emission Limitation:

VOC emissions shall not exceed 4.1 tons/yr

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the maximum pound per hour emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

c. Emission Limitation:

OC emissions shall not exceed 3.08 lbs/hr

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the maximum VOC content of the coating (6.58 lbs VOC per gallon) by the maximum usage in one hour (0.4687 gallon per hour).

If required, the permittee shall demonstrate compliance with the hourly emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 18 or 25, as appropriate.

[Authority for term: OAC rule 3745-77-07(C)(1)]

d. Emission Limitation:

OC emissions shall not exceed 13.5 tons/yr

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the maximum pound per hour emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

e. Emission Limitation:

PE shall not exceed 0.551 lb/hr

Applicable Compliance Method:

To determine the worst case emission for particulate, the following equation may be used:

$$E = (M) \times (1-TE) \times (1-CE)$$

where:

E = particulate matter emission rate (lbs/hr)

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M = maximum coating solids usage rate (lbs/hr)

TE = transfer efficiency of coating equipment (ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used)

CE = control efficiency of the control equipment

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rule 3745-77-07(C)(1)]

f. Emission Limitation:

PE shall not exceed 2.4 tons/yr

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the maximum pound per hour emission rate by 8760 hrs/yr and dividing by 2000 lbs/ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

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**7. Emissions Unit Group - Lab Spray Booths: K006, K007,**

EU ID	Operations, Property and/or Equipment Description
K006	Spray Booth 9 - Color Lab
K007	Spray Booth 10 - Technical Lab

- a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:
- (1) d(7)-d(9), and e)(2)b.
- b) Applicable Emissions Limitations and/or Control Requirements
- (1) The specific operations(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. 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.	OAC rule 3745-31-05(A)(3), as effective 11/30/2001	<u>For emissions unit K006:</u>  Particulate emissions (PE) shall not exceed 0.03 lb/hr and 0.13 tpy.  <u>For emissions unit K007:</u>  PE shall not exceed 0.02 lb/hr and 0.09 tpy.  See b)(2)a. – b.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/2006	See b)(2)c.
c.	ORC 3704.03(T)	<u>For emissions unit K006:</u>  Volatile organic compound (VOC) emissions from coating and cleanup shall not exceed 13.14 tons per rolling, 12-month period.  <u>For emissions unit K007:</u>  Volatile organic compound (VOC) emissions from coating and cleanup shall not exceed 14.02 tons per rolling, 12-month period.
d.	OAC rule 3745-17-11(C)	See Section b)(2)d.-e., c(1), c(2), and

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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		d(1)-(5)
e.	ORC 3704.03(F)	See d)(7)-(9) and e(2)b.

(2) Additional Terms and Conditions

a. The hourly and yearly PE emission limitation is established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop monitoring, recordkeeping and/or reporting requirements to ensure compliance with these limits.

b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.

[Authority for term: OAC rule 3745-31-05(A)(3), as effective 11/30/01]

c. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate emissions (PE) from this air contaminant source since the uncontrolled potential to emit for PE is less than 10 tons per year.

[Authority for term: OAC rule 3745-31-05(A)(3)(iii), as effective 12/01/06]

d. On February 1, 2008, OAC rule 3745-17-11 was revised to include paragraph (C), pertaining to control requirements for particulate emissions from surface coating processes. These control requirements and the associated operational restrictions, monitoring, record keeping, and reporting requirements contained in this permit shall become federally enforceable on the date the U.S. EPA approves paragraph (C) of OAC rule 3745-17-11 as a revision to the Ohio State Implementation Plan.

[Authority for term: OAC rule 3745-17-11(C)]

e. The Permittee shall operate the dry particulate filter whenever this emissions unit is in operation.

[Authority for term: OAC rule 3745-17-11(C)(1) and OAC rule 3745-31-05(D)]

c) Operational Restrictions

- (1) The permittee shall install and operate a dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- (2) The permittee shall expeditiously repair the dry particulate filter or otherwise return it to normal operations, as recommended by the manufacturer with any modifications deemed necessary by the permittee, whenever it is determined that the control device is not operating in accordance with these requirements.

[Authority for term: OAC rule 3745-17-11(C)(2)(e)]

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a)]

- (2) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- (3) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c)]

- (4) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:

- a. the date of the inspection;
- b. a description of each/any problem identified and the date it was corrected;
- c. a description of any maintenance and repairs performed; and

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- d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(d) and (f)]

- (5) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(f) and (g) for OAC rule 3745-17-11(C)(1)]

- (6) The permittee shall maintain monthly records of the following for the emissions units:
- a. the company identification number for each coating and cleanup material employed;
  - b. the total number of gallons of coating and cleanup material employed;
  - c. the VOC content of each coating and cleanup material employed, in pounds per gallon;
  - d. the VOC emissions from the coating and cleanup materials employed;
  - e. the total VOC emissions from the emissions units for all coatings and cleanup materials employed, in pounds;
  - f. the total gallons of all coatings and cleanup materials employed for all coatings and cleanup materials employed; and
  - g. the updated rolling, 12-month summation of the total VOC emissions in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months.

[Authority for term: OAC rule 3745-77-07(C)]

- (7) The permit-to-install (PTI) application for this/these emissions unit(s), K006 and K007, 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 at over one ton per year 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

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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., "24" hours per day and "7" 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):

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

- d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):

Toxic Contaminant: Ethyl Benzene

TLV (mg/m<sup>3</sup>): 434

Maximum Hourly Emission Rate (lbs/hr): 0.46

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m<sup>3</sup>): 432.6

MAGLC (ug/m<sup>3</sup>): 10,338

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Toxic Contaminant: Xylene

TLV (mg/m3): 434

Maximum Hourly Emission Rate (lbs/hr):

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 2,374

MAGLC (ug/m3): 10,338

Toxic Contaminant: Toluene

TLV (mg/m3): 188.4

Maximum Hourly Emission Rate (lbs/hr): 1.95

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,874

MAGLC (ug/m3): 4,485

The permittee, has demonstrated that emissions of ethyl benzene, toluene, and xylene, from emissions unit(s) K006 and K007, is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); 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).

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), OAC rule 3745-114-01, Option A, Engineering Guide #70]

- (8) 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" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification"

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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 PTI 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.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), OAC rule 3745-114-01, Option A, Engineering Guide #70]

- (9) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):
- 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.

[Authority for term: ORC 3704.03(F)(3)(c) and F(4), OAC rule 3745-114-01, Option A, Engineering Guide #70]

e) Reporting Requirements

- (1) The permittee shall submit semiannual written reports that identify:
- a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit;
  - b. any corrective actions taken to minimize or eliminate the visible particulate emissions; and
  - c. all exceedances of the rolling, 12-month summation emission limitation for VOC.

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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 period.

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

- (2) The Permittee shall submit quarterly deviation (excursion) reports that include the following information:
- a. any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation; and
  - b. any changes made to a parameter or value used in the dispersion model, that was used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration; or if no changes to the emissions, emissions unit(s), or the exhaust stack have been made, a statement to this effect;

The quarterly deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

[Authority for term: OAC rule 3745-21-07(G)(2)]

f) Testing Requirements

- (1) Compliance with the emission limitation shall be determined in accordance with the following methods:

a. Emission Limitation:

Visible PE from any stack serving this emissions unit shall not exceed 20% opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

If required, compliance with the above visible emission limitation shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1)]

b. Emission Limitations:

For K006 PE shall not exceed 0.03 lb/hr and 0.13 tpy

For K007 PE shall not exceed 0.02 lb/hr and 0.09 tpy

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Applicable Compliance Method:

Compliance with the emission limitations may be established by the following equation:

$$E = (\text{hourly maximum usage}) * (1-TE) * (1-CE)$$

where:

E = PE emissions

TE = transfer efficiency, 65%

CE = control efficiency, 98%

Annual compliance will be determined by multiplying the hourly emission rate by 8760 hours per year and dividing by 2000 pounds.

c. Emission Limitations:

For K007 VOC emissions shall not exceed 13.14 tons per rolling, 12-month summation

For K006 VOC emissions shall not exceed 14.02 tons per rolling, 12-month summation

Applicable Compliance Method:

Compliance shall be determined by the monitoring and recordkeeping established in Section d)(6).

g) Miscellaneous Requirements

(1) None.

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**8. Emissions Unit Group - Resin Reactors: P008, P009, P010, P042, P043,**

EU ID	Operations, Property and/or Equipment Description
P008	Resin reactor system used for acrylic resin manufacturing in support of industrial and automotive paint production.
P009	Resin reactor system used for acrylic resin manufacturing in support of industrial and automotive paint production.
P010	Solvent recovery system for processing spent solvent generated by cleaning activities.
P042	Resin reactor system serving Uniprime (cationic) manufacture.
P043	Batch stripper for removing organic vapors from a resin batch.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(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. 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.	OAC rule 3745-31-05(A)(3) (For P008-P010 PTI 01-289; For P042-P043 PTI 01-862)	<p><u>For emissions units P008, P009, P010, P042 and P043:</u>            The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-21-07(M)(2).</p> <p><u>For emissions units P042 and P043:</u>            Volatile organic compound (VOC) emissions shall not exceed 2.85 tons per year (tpy) from emissions units P042 and P043 combined.</p> <p><u>For emissions unit P042:</u>            PE shall not exceed 2.1 tpy</p> <p><u>For emissions unit P009 and P043:</u>            The requirements established pursuant to this rule are equivalent to the requirements of OAC rule 3745-17-11(B) and OAC rule 3745-17-07(A).</p>
b.	OAC rule 3745-17-07(A)	<p><u>For emissions unit P009:</u>            Visible particulate emissions shall not</p>

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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		exceed 20% opacity as a 6-minute average, except as provided by rule.
c.	OAC rule 3745-17-11(B)	For emissions unit P009 and P042: Particulate emissions (PE) shall not exceed 2.13 pounds per hour (lbs/hr), based on Table I which is more stringent than the allowable PE rate from Figure II.
d.	OAC rule 3745-21-07(G)(2)	Emissions of organic compounds (OC) shall be reduced by at least 85%, by weight, as an overall control efficiency.  See b)(2)a.
e.	OAC rule 3745-21-07(G)(6)	90% or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.  See b)(2)a.
e.	OAC rule 3745-21-07(M)(2)	See b)(2)b., b)(2)c., b)(2)e., d)(2), e)(1)-(2), and f)(2)
f.	OAC rule 3745-21-07(M)(3)(a)	See b)(2)b., b)(2)c., b)(2)e., d)(2), e)(1)-(2), and f)(2)

(2) Additional Terms and Conditions

- a. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.
- b. The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision:  
  
b)(1)e., b)(2)b., b)(2)c., b)(2)e., d)(2), e)(1)-(2), and f)(2)
- c. The emissions unit shall be equipped with a control system that reduces the organic compound (OC) emissions by an overall control efficiency of at least 85% by weight. If the reductions are achieved by incineration, 90% or more of the carbon in the organic material being incinerate shall be oxidized to carbon dioxide.

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- d. For emissions unit P009, the pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water during solids charging.
- e. The average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1300 degrees Fahrenheit.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) For P009, the permittee shall maintain daily records that document any time periods when the baghouse was not in service when the emissions unit was in operation.
- (2) The permittee shall install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the combustion temperature within the thermal incinerator. The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day for the control equipment:

- a. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation; and
- b. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1300 degrees Fahrenheit.

[Authority for term: OAC rule 3745-21-07(M)(7) and OAC rule 3745-77-07(C)]

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, does not comply with the emissions limitation specified in c)(1).

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

- (2) The permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

The deviation reports shall be submitted in accordance with the General Terms and Conditions (currently known as the Standard Terms and Conditions) of this permit.

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[Authority for term: OAC rule 3745-21-07(M)(7) and OAC rule 3745-77-07(A)(3)(c)]

- (3) The permittee shall also submit annual reports that specify the total organic compound emissions from this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation

Visible particulate emissions from the stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule for emissions unit P009.

Applicable Compliance Method(s)

Compliance with the stack visible particulate emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9.

[Authority for term: OAC rule 3745-17-03(B)(1)(a) and OAC rule 3745-77-07(C)(1)]

b. Emission Limitation

PE shall not exceed 2.13 lbs/hr, based on Table I which is more stringent than the allowable PE rate from Figure II, for emissions units P104.

Applicable Compliance Method(s)

Compliance with the hourly emission limitation may be demonstrated by multiplying the emission factor of 5.5 lbs of particulates/ton of paint produced (AIRS, 3/90, 30101401) by the maximum amount of paint that can be produced (0.375 ton/hr), and by the assumed control efficiency (CE) of the baghouse (1-0.98).

If required, the permittee shall demonstrate compliance by emission testing in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

[Authority for term: OAC rule 3745-77-07(C)(1)]

c. Emission Limitation

VOC emissions shall not exceed 2.85 tpy from emissions units P042 and P043 combined.

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Applicable Compliance Method

Compliance shall be demonstrated by multiplying the uncontrolled emission rate (lbs VOC/day) from P042 and P043 combined, by 365 days/yr, multiplying by the control efficiency of the TOU established during the most recent emission test that demonstrated that the emissions unit was in compliance, and dividing by 2000 lbs/ton.

[Authority for term: OAC rule 3745-77-07(C)(1)]

- d. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- (a) The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
  - (b) The emission testing shall be conducted to demonstrate compliance with the capture efficiency and control efficiency limitations for OC.
  - (c) The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):  
  
40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or 25A  
  
Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - (d) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
  - (e) The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
  - (f) Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
  - (g) Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing

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equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

- (h) A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

- (1) None.

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**9. Emissions Unit Group - Tank Wash and Solvent Recovery: P003, P006,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
P003	Portable Tank Cleaning System
P006	Solvent recovery system for processing spent solvent generated by cleaning activities.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(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. 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.	OAC rule 3745-21-07(G)(2)	Emissions of organic compounds (OC) shall be reduced by at least 85%, by weight, as an overall control efficiency.  See b)(2)a.
b.	OAC rule 3745-21-07(G)(6)	90% or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.  See b)(2)a.
c.	OAC rule 3745-21-07(M)(2)	See b)(2)b., d)(1), e)(1)-(3), and f)(1)
d.	OAC rule 3745-21-07(M)(3)(a)	See b)(2)b., d)(1), e)(1)-(3), and f)(1)

(2) Additional Terms and Conditions

a. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

b. The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-

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07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision:

d)(1), e)(1)-(3), and f)(1)

- c. The emissions unit shall be equipped with a control system that reduces the organic compound (OC) emissions by an overall control efficiency of at least 85% by weight. If the reductions are achieved by incineration, 90% or more of the carbon in the organic material being incinerate shall be oxidized to carbon dioxide.
- d. The average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1300 degrees Fahrenheit.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the combustion temperature within the thermal incinerator. The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day for the control equipment:

- a. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation; and
- b. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1300 degrees Fahrenheit.

[Authority for term: OAC rule 3745-21-07(M) and OAC rule 3745-77-07(C)]

e) Reporting Requirements

- (1) The permittee shall submit deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, does not comply with the emissions limitation specified in c)(1).

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

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- (2) The permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

The deviation reports shall be submitted in accordance with the General Terms and Conditions (currently known as the Standard Terms and Conditions) of this permit.

[Authority for term: OAC rule 3745-21-07(M) and OAC rule 3745-77-07(A)(3)(c)]

- (3) The permittee shall also submit annual reports that specify the total organic compound emissions from this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

[Authority for term: OAC rule 3745-77-07(A)(3)(c)]

f) Testing Requirements

- (1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.
- b. The emission testing shall be conducted to demonstrate compliance with the capture efficiency and control efficiency limitations for OC.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

40 CFR Part 60, Appendix A, Methods 1 through 4 and 25 or 25A

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

- d. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
- e. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
- f. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating

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parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

- g. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- h. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

- (1) None.