Ohio Environmental Protection Agency

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

7/14/2010

Certified Mail

Facility ID: 1677020162
Permit Number: P0106489
County: Summit

Ms. Danielle Chikar
PPG - South Plant
PPG Industries, Inc.
4829 Fairland Road
Barberton, OH 44203-3913

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, Akron Beacon Journal. 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 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

Akron Regional Air Quality Management District
146 South High Street, Room 904
Akron, OH 44308

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 Akron Regional Air Quality Management District at (330)375-2480.

Sincerely,

Michael W. Ahern

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

Cc: U.S. EPA Region 5 - *Via E-Mail Notification*
ARAQMD; Pennsylvania; West Virginia

Summit County

PUBLIC NOTICE
Issuance of Draft Air Pollution Title V Permit
PPG - South Plant

Issue Date: 7/14/2010
Permit Number: P0106489
Permit Type: Renewal
Permit Description: Chemical and Plastic Sheet Production
Facility ID: 1677020162
Facility Location: PPG - South Plant
PPG Industries, Inc., 4829 Fairland Road
Barberton, OH 44203-3913
Facility Description: Plastics Material and Resin Manufacturing

Chris Korleski, 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 Sean Vadas at Akron Regional Air Quality Management District, 146 South High Street, Room 904, Akron, OH 44308 or (330)375-2480. 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

Statement of Basis For Air Pollution Title V Permit

Facility ID:	1677020162
Facility Name:	PPG - South Plant
Facility Description:	Chemical and Plastic Sheet Production
Facility Address:	PPG Industries, Inc., Barberton, OH 44203-3913
Permit #:	P0106489, Renewal

This facility is subject to Title V because it is major for:

☐ Lead ☐ Sulfur Dioxide ☐ Carbon Monoxide ☐ Volatile Organic Compounds ☐ Nitrogen Oxides

☐ Particulate Matter ≤ 10 microns ☐ Single Hazardous Air Pollutant ☐ Combined Hazardous Air Pollutants

X Maximum Available Control Technology Standard(s): GGGG, ZZZZ, FFFF, and NNNNN

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)	N/A

B. Facility-Wide Terms and Conditions

Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
1		X	Specifies which terms are enforceable under state law only.
2	25-04		Facility is subject to emission control action programs.
3		X	40 CFR Part 63, Subpart GGGGG, exempt from control requirements provided site remediations conducted at facility limited to less than 1 MG total HAP quantity annually.
4		X	40 CFR Part 63, Subpart ZZZZ applicability.
5		X	40 CFR Part 60, Subpart Kb applicability.
6		X	40 CFR Part 63, Subpart FFFF applicability.
7		X	40 CFR Part 63, Subpart NNNNN applicability.
8	77-07		Listing of insignificant emissions units that are subject to one or more applicable regulations.
9		X	Listing of insignificant emissions units that are “de minimis.”

C. Emissions Unit Terms and Conditions

Key:
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)
ENF = did noncompliance issues drive the monitoring requirements?
R = record keeping requirements
Rp = reporting requirements

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
ET = emission testing requirements (not including compliance method terms)
Misc = miscellaneous requirements

EU(s)	Limitation	Basis		ND	OR	M	St	ENF	R	St	Rp	St	ET	Misc	Comments
		SIP (3745-)	Other												
P098	2.0 lbs/hr OC	31-05		N	Y	Y	N	N	Y	N	Y	N	N	N	OR - maintain pilot flare. ET - Testing currently not required per Engineering Guide 16 as PTE less than 25 tons.
P098	1.7 lbs/hr HCl	31-05		N	N	N	N	N	N	N	N	N	N	N	ET - Testing currently not required per Engineering Guide 16 as PTE less than 25 tons.
P098	0.3 lbs/hr Cl_2	31-05		N	N	N	N	N	N	N	N	N	N	N	ET - Testing currently not required per Engineering Guide 16 as PTE less than 25 tons.
P098	1.6 lbs/hr NOx	31-05		N	N	N	N	N	N	N	N	N	N	N	ET - Testing currently not required per Engineering Guide 16 as PTE less than 25 tons.
P098 P099	85% overall control of OC, by weight. 90% destruction is incinerator is used	21-07(M)(2)		N	Y	Y	N	N	Y	N	Y	N	Y	N	OR - maintain pilot flare, scrubber pH/flow rate.
P098	LDAR	21-09(DD)		N	N	N	N	N	N	N	N	N	N	N	In lieu of following the LDAR requirements of 21-09(DD), the LDAR requirements of the applicable 40 CFR 63 Subpart FFFF will be followed as they are considered to be more stringent.

Ohio | Environmental Protection Agency

DRAFT

Division of Air Pollution Control
Title V Permit
for
PPG - South Plant

Facility ID:	1677020162
Permit Number:	P0106489
Permit Type:	Renewal
Issued:	7/14/2010
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Ohio Environmental Protection Agency

Division of Air Pollution Control
Title V Permit
for
PPG - South Plant

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Authorization

Facility ID: 1677020162
Facility Description: Chemical and Plastic Sheet Production
Application Number(s): A0038619
Permit Number: P0106489
Permit Description: Chemical and Plastic Sheet Production
Permit Type: Renewal
Issue Date: 7/14/2010
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number:

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

PPG - South Plant
PPG Industries, Inc.
4829 Fairland Road
Barberton, OH 44203-3913

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

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

The above named entity is hereby granted 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 Akron Regional Air Quality Management District. 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

Chris Korleski
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:

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 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 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)(c)(iv))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Akron Regional Air Quality Management District.

(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 contaminent 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. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) B.9.

2. This facility is subject to the applicable requirements specified in OAC Chapter 3745-25. The emission control action programs, as specified in OAC rule 3745-25-03, shall be developed and submitted within 60 days after receiving notification from the Ohio EPA.

   (Authority for terms: OAC rule 3745-25-04)

3. This facility is subject to the applicable requirements specified in 40 CFR Part 63, Subpart GGGGG - National Emission Standards for Hazardous Air Pollutants for Site Remediation. Site remediation activities are not subject to the requirements of subpart GGGGG (except for certain record keeping requirements) provided the following conditions are met:

   (1) The total quantity of the HAP listed in Table 1 of this subpart that is contained in the remediation material excavated, extracted, pumped, or otherwise removed during all of the site remediation conducted at the facility is less than 1 mega gram (Mg) annually. The 1 Mg limitation applies on a facility-wide basis, annual basis and there is no restriction to the number of site remediation that can be conducted at the facility under the exemption.

   (2) The permittee shall prepare and maintain written documentation to supports the determination that the total HAP quantity in the remediation materials for the year is less than 1 Mg. The documentation shall include a description of the methodology and data used for determining the total HAP content of the remediation material.

   Table 3 to Subpart GGGGG of 40 CFR Part 63 – Applicability of General Provisions to Subpart GGGGG shows which parts of the General Provisions in 40 CFR 63.1 – 15 apply.

   The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

   (Authority for term: 40 CFR 63.7881(c), Subpart GGGGG)

4. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Internal Combustion Engines: B030, B031, and B032.

   a) Applicable Emissions Limitations and/or Work Practice Standards

	Applicable Rules/Requirements	Applicable Emissions Limitations/Work Practice Standards
a.	40 CFR Part 63, Subpart ZZZZ, Table 2c	Except during periods of startups: a. Change oil and filter every 500 hours of operation or annually, whichever comes first; b. Inspect air cleaner every 1,000 hours

	Applicable Rules/Requirements	Applicable Emissions Limitations/Work Practice Standards
		of operation or annually, whichever comes first; and c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. During periods of startup, minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
b.	40 CFR 63.1-15	Table 8 to Subpart ZZZZ of 40 CFR Part 63 – Applicability of General Provisions to Subpart ZZZZ shows which parts of the General Provisions in 40 CFR 63.1 – 15 apply.

The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

(Authority for term: 40 CFR 63, Subpart ZZZZ)

5. The following emissions units are subject to 40 CFR 60, Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels and must comply with the record keeping requirements in 40 CFR 60,116b(a) and (b): Z060 and Z061.

(Authority for term: 40 CFR 60.116b, Subpart Kb)

6. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing: P098, and P099.

a) Applicable Emissions Limitations and/or Work Practice Standards

(1) Emissions 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.	40 CFR Part 63, Subpart FFFF	**For P098:** Thermal incinerator and tails scrubber - See B.6.a)(2)c. and B.6.a)(2)d.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		E-scrubber - See B.6.a)(2)c and B.6.a)(2)e. Flare (for non-halogenated process vent streams) - See B.6.a)(2)c. In accordance with 40 CFR 63.2480, the permittee has elected to comply with the requirements of 40 CFR Part 63, Subpart UU to satisfy the LDAR requirements of 40 CFR 63, Subpart FFFF. - See b.6.a)(2)f. (Permittee may comply with alternative LDAR compliance options as provided in 40 CFR 63, Subpart FFFF, Table 6 as referenced by 40 CFR 63.2480.) **For P099:** See section B.6.c)(1), B.6.d)(1), and B.6.e)(1).
b.	40 CFR 63.1-15	Table 12 to Subpart FFFF of 40 CFR Part 63 – Applicability of General Provisions to Subpart FFFF shows which parts of the General Provisions in 40 CFR 63.1 – 15 apply.

(2) Additional Terms and Conditions

a. Pursuant to 40 CFR 63.2445(d), if any Group 2 emission point becomes a Group 1 emissions point, the permittee must comply with the Group 1 monitoring and record keeping requirements for the emission point beginning on the date the switch occurs.

b. Pursuant to 40 CFR 63.1019(b), equipment in service less than 300 hours per calendar year is excluded from the requirements of 40 CFR 63.1025 through 40 CFR 63.1036 if it is identified as required in 40 CFR 63.1022(b)(5).

c. In accordance with Table 1 of 40 CFR 63, Subpart FFFF, the permittee shall reduce total organic HAP emissions from Group 1 continuous process vents:

i. by 98% by weight or greater by venting emissions through a closed-vent system to any combination of control devices (except a flare);

ii. or to an outlet process concentration of 20 ppmv or less as organic HAP or TOC by venting emissions through a closed-vent system to any combination of control devices (except a flare); or

iii. by venting emissions through a closed-vent system to a flare 9only for non-halogenated process vent streams).

d. In accordance with Table 1 of 40 CFR 63, Subpart FFFF, the permittee shall control halogenated Group 1 continuous process vent streams when using a combustion control device to control organic HAP emissions using a halogen reduction device located after the combustion device to reduce emissions of hydrogen halide or halogen HAP:

i. by 99% be weight or greater; or

ii. to a mass emission rate of less than or equal to 0.45 kg/hr; or

iii. to a concentration of less than or equal to 20 ppmv.

e. In accordance with Table 3 of 40 CFR 63, Subpart FFFF, the permittee shall control halogenated Group 1 continuous process vent streams when not using a combustion control device to control organic HAP emissions using a halogen reduction device to reduce emissions of hydrogen halide and halogen HAP:

i. by 99% by weight or greater; or

ii. to a mass emission rate of less than or equal to 0.45 kg/hr; or

iii. to a concentration of less than or equal to 20 ppmv.

f. Control, detection, and timely repair of leaks from equipment subject to 40 CFR 63, Subpart UU (as referenced by 40 CFR 63, Subpart FFFF) will occur in accordance with the following sections:

i. for valves in gas and vapor service and in light liquid service, 40 CFR 63.1025;

ii. for pumps in light liquid service, 40 CFR 63.1026;

iii. for connectors in gas and vapor service and in light liquid service, 40 CFR 63.1027;

iv. for agitators in gas and vapor service and in light liquid service, 40 CFR 63.1028;

v. for pumps, valves, connectors, and agitators in heavy liquid service; pressure relief devices in liquid service; and instrumentation systems, 40 CFR 63.1029;

vi. for pressure relief devices in gas and vapor service, 40 CFR 63.1030;

vii. for compressors, 40 CFR 63.1031;

viii. for sampling connection systems, 40 CFR 63.1032;

ix. for open-ended valves or lines, 40 CFR 63.1033; and

x. for closed vent systems and control devices, 40 CFR 63.1034.

b) Operational Restrictions

(1) When emissions unit P098 is in operation and the flare is being used as a control device to comply with the organic HAP requirements of 40 CFR 63, Subpart FFFF, the permittee shall comply with the requirements of 40 CFR 61.11(b).

(Authority for term: 40 CFR 63.2450(e)(2), Subpart FFFF)

(2) The daily average combustion temperature within the thermal incinerator, bas on an operating day per 40 CFR 63.998(b)(3)(i), shall be maintained at or above the minimum firebox temperature established during the most recent compliance demonstration, whenever P098 is in operation and the thermal incinerator is being used as a control device.

(Authority for term: 40 CFR 63.2450(e), Subpart FFFF)

(3) The daily average pH of the scrubber effluent and liquid gas ratio for the tails scrubber, based on an operating day per 40 CFR 63.998(b)(3)(i), shall be maintained within the pH range and at or above the minimum liquid to gas ratio established during the most recent compliance demonstration, whenever P098 is in operation and the tails scrubber is being used as a control device.

(Authority for term: 40 CFR 63.2450(e), Subpart FFFF)

(4) The daily average pH of the scrubber effluent and liquid gas ratio for the e-scrubber, based on an operating day per 40 CFR 63.998(b)(3)(i), shall be maintained within the pH range and at or above the minimum liquid to gas ratio established during the most recent compliance demonstration, whenever P098 is in operation and the e-scrubber is being used as a control device.

(Authority for term: 40 CFR 63.2450(e), Subpart FFFF)

c) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall comply with the applicable monitoring/record keeping requirements of 40 CFR 63, Subparts FFFF, SS, and UU including but not limited to the following:

a. The permittee shall monitor and record the firebox temperature according to the applicable provisions of 40 CFR 63.996 and 63.998 whenever this emissions unit is in operation and the thermal incinerator is being used as a control device.

b. The permittee shall monitor and record the pH of the scrubber effluent and liquid to gas ratio according to the applicable provisions of 40 CFR 63.996 and 93.998 whenever this emissions unit is in operation and the tails scrubber is being used as a control device.

c. The permittee shall monitor and record the pH of the scrubber effluent and liquid to gas ratio according to the applicable provisions of 40 CFR 63.996 and 93.998 whenever this emissions unit is in operation and the e-scrubber is being used as a control device.

d. For MON storage tanks - At time of permit issuance all MON storage tanks are considered Group 2, and there are no monitoring or record keeping requirements for Group 2 storage tanks.

e. For MON transfer racks - At time of permit issuance all MON transfer racks are considered Group 2, and there are no monitoring requirements for Group 2 transfer racks. The permittee shall record annually the rack-weighted average partial pressure for all transfer racks that meet the definition as provided in 40 CFR 63.2550.

f. For MON wastewater streams - All MON process wastewater streams are considered Group 2, and there are no monitoring requirements for Group 3 wastewater streams. The permittee shall record annually the Group 2 status of the wastewater streams.

g. For equipment leaks - The permittee shall comply with 40 CFR 63, Subpart UU in order to demonstrate compliance with 40 CFR 63.2480 of 40 CFR, Subpart FFFF as described in the MON LDAR plan.

h. Pursuant to 40 CFR 63.2445(d), if any Group 2 emission point becomes a Group 1 emissions point, the permittee must comply with the Group 1 monitoring and record keeping requirements for the emission point beginning on the date the switch occurs.

(Authority for term: 40 CFR 63, Subpart FFFF)

(2) When the flare is being used to control organic HAP emissions to comply with 40 CFR 63, Subpart FFFF, the permittee shall comply with the applicable monitoring and record keeping requirements as specified in 40 CFR 63.983, 63.987, 63.997(a) through (c), 63.998, and 63.999 of Subpart FFFF.

(Authority for term: 40 CFR 63.2450(e)(2), Subpart FFFF, and 40 CFR 63, Subpart SS)

d) Reporting Requirements

(1) The permittee shall comply with the applicable notification and reporting requirements of 40 CFR 63, Subpart FFFF, including but not limited to the following:

a. The precompliance, notification of compliance status (NOCS), and semiannual compliance reports specified in Table 11 or 40 CFR 63, Subpart FFFF as referenced by 40 CFR 63.2520.

b. Notification of Process Change - In accordance with 40 CFR 63.2520(e)(10)(ii)(C), the permittee shall submit a notification 60 days before the scheduled implementation date of change from Group 2 to Group 1 for any emissions point. The notification shall include the information specified in 40 CFR 63.2520(e)(10)(i).

c. Notification of Compliance Status (NOCS) Report - In accordance with 40 CFR 63.2445(d) and 63.2350(g)(5), if any Group 2 emission point becomes a Group 1 emissions point, results of all initial compliance demonstrations must be included in an NOCS. The NOCS must be submitted within 150 days after the switch

occurs. The NOCS shall contain the applicable information specified in 40 CFR 63.2520(d).

d. In accordance with 40 CFR 63.2445(d), if any Group 2 emission point becomes a Group 1 emission point, the permittee shall comply with Group 1 reporting requirements for the emission point beginning on the date the switch occurs.

(Authority for term: 40 CFR 63, Subpart FFFF)

(2) When the flare is being used to control organic HAP emissions in order to comply with 40 CFR 63, Subpart FFFF, the permittee shall comply with the reporting requirements as specified in 40 CFR 63.983, 63.987, 63.997(a) - (c), 63.998, and 63.999.

(Authority for term: 40 CFR 63.2450(e)(2), Subpart FFFF)

e) Testing Requirements

(1) The permittee shall comply with the applicable testing requirements of 40 CFR 63, Subpart FFFF, including but not limited to the following requirements associated with changes from Group 2 to Group 1 status:

a. Initial compliance demonstration – In accordance with 40 CFR 63.2445(d), if any Group 2 emission point becomes a Group 1 emission point, the permittee shall conduct an initial compliance demonstration as specified in 40 CFR 63.2450(g)(5) within 150 days after the switch occurs.

b. In accordance with 40 CFR 63.2445(d), if any Group 2 emission point becomes Group 1, the permittee shall comply with Group 1 testing requirements for the emission point beginning on the date the switch occurs.

(Authority for term: 40 CFR 63.2445(d), Subpart FFFF)

(2) When the flare is being used to control organic HAP in order to comply with 40 CFR 63, Subpart FFFF, the permittee shall comply with the testing requirements as specified in 40 CFR 63.2450(f) and 40 CFR 63.987(b).

(Authority for term: 40 CFR 63.2450(f), Subpart FFFF)

f) Miscellaneous Requirements

(1) None.

The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

(Authority for term: 40 CFR Part 63, Subpart FFFF)

7. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subpart NNNNN - National Emission Standards for Hazardous Air Pollutants for Hydrochloric Acid Production: P098.

a) Applicable Emissions Limitations and/or Work Practice Standards

(1) Emissions 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.	40 CFR Part 63, Subpart NNNNN, Table 1	For emission streams from HCl process vents at an existing source: reduce HCl emissions by 99% or greater or achieve an outlet concentration of 20 ppmv or less; and reduce Cl_2 emissions by 99% or greater or achieve an outlet concentration of 100 ppmv or less. For emission streams from HCl storage tanks and HCl transfer operations at an existing source: reduce HCl emissions by 99% or greater or achieve an outlet concentration of 120 ppmv or less. For leaking equipment in HCl service at an existing source: LDAR plan, See B.7a)(2)a. below.
b.	40 CFR 63.1-15	Table 7 to Subpart NNNNN of 40 CFR Part 63 – Applicability of General Provisions to Subpart NNNNN shows which parts of the General Provisions in 40 CFR 63.1 – 15 apply.

(2) Additional Terms and Conditions

a. In accordance with Table 1 of 40 CFR 63, Subpart NNNNN, the permittee shall perform the following for leaking equipment in HCl service at an existing facility:

i. prepare and operate at all times according to an equipment LDAR plan that describes in detail the measures that will be put in place to detect leaks and repair them in a timely fashion; and

ii. submit the plan to the Administrator for comment only with your Notification of Compliance Status; and

iii. the permittee may incorporate by reference in such plan existing manuals that describe the measures in place to control leaking equipment

emissions required as part of other federally enforceable requirements provided that all manuals are incorporated by reference are submitted to the Administrator.

b. The scrubber parametric monitoring and record keeping requirements of 40 CFR 63, Subpart NNNNN are equivalent or less stringent then the requirements of 40 CFR Part 63, Subpart FFFF. As such compliance with the scrubber monitoring and record keeping requirements in Section B.6 also demonstrates compliance the similar requirements of 40 CFR 63, Subpart NNNNN.

b) Operational Restrictions

(1) None.

c) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall comply with the applicable monitoring/record keeping requirements of 40 CFR 63, Subpart NNNNN, including but not limited to the following:

a. The permittee shall comply with the facility's LDAR plan for equipment in HCl service required per Table 1 of 40 CFR 63, Subpart NNNNN as referenced in 40 CFR 63.9000(a).

b. The permittee shall comply with all applicable record keeping requirements under 40 CFR 63, Subpart NNNNN, as provided in 40 CFR 63.9055.

(Authority for term: 40 CFR 63, Subpart NNNNN)

d) Reporting Requirements

(1) The permittee shall comply with the applicable notification and reporting requirements of 40 CFR 63, Subpart NNNNN, including but not limited to the following:

a. The semiannual compliance reports specified in Table 6 of 40 CFR 63, Subpart NNNNN as referenced by 40 CFR 63.9050.

b. The immediate startup, shutdown, and malfunction reports per 40 CFR 63.9050(f).

(Authority for term: 40 CFR 63, Subpart NNNNN)

e) Testing Requirements

(1) None.

f) Miscellaneous Requirements

(1) None.

The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

(Authority for term: 40 CFR Part 63, Subpart NNNNN)

8. The following insignificant emissions units at this facility must comply with all applicable state and federal regulations, as well as any emissions limitations and/or control requirements contained within the identified permit to install for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirements contained in a permit-to-install or in the SIP approved versions of OAC Chapters 3745-17, 3745-18, and 3745-21 and/or 40 CFR Part 63:

B013 - #1 fine chemical boiler, 6.28 MMBtu/hr (Permit to Install 16-0243);
B014 - #2 fine chemical boiler, 6.28 MMBtu/hr (Permit to Install 16-0244);
B015 - #3 fine chemical boiler, 6.28 MMBtu/hr (Permit to Install 16-0245);
B016 - #4 fine chemical boiler, 6.28 MMBtu/hr (Permit to Install 16-0246);
B017 - #5 fine chemical boiler, 6.28 MMBtu/hr (Permit to Install 16-0247);
B018 - #6 fine chemical boiler, 6.28 MMBtu/hr (Permit to Install 16-0248);
P113 - Wastewater pretreatment system – air stripper (Permit to Install 16-01457);
T012 - T-158, 10,000-gallon diethylene glycol tank, PPG No. 36223;
T013 - T-164, 10,000-gallon alcohol tank, PPG No. 28886;
T014 - T-162, 10,000-gallon MEG tank, PPG No. 28887;
T020 - T-154, 50,000-gallon diethylene glycol tank, PPG No. 28915;
T025 - T-166, 10,000-gallon polycaprolactone diol tank, PPG No. 36091 (Permit to Install P0106015);
T026 - T-145, 5,000-gallon allyl chloroformate tank, PPG No. 25207;
T027 - T-144, 7,600-gallon allyl chloroformate tank, PPG No. 25208;
T028 - T-147, 5,000-gallon isopropyl chloroformate daily storage tank, T04; PPG No. 35672;
T029 - T-149, 7,600-gallon isopropyl chloroformate daily storage tank, T06, PPG No. 25209;
T030 - T-153, 17,000-gallon isopropyl chloroformate daily storage tank, T10, PPG No.19915;
T031 - T-161, 10,000-gallon IPOH tank, PPG No. 21147;
T034 - T-146, 7,500-gallon 2-ethyl hexyl chloroformate daily storage tank, T03, PPG No. 25210 (Permit to Install 16-01330);
T035 - T-152, 24,000 gallon diethylene glycol bis chloroformate tank, T07, PPG No. 34008;
T036 - T-151, 24,000 gallon diethylene glycol bis chloroformate tank, T08, PPG No. 32143;
T037 - T-150, 24,000 gallon diethylene glycol bis chloroformate tank, T09, PPG No. 32142;
T038 - T-155, 10,000 gallon n-propyl chloroformate tank, T11, PPG No. 36213;
T039 - T-156, 10,000 gallon 2-ethyl hexyl chloroformate tank, T12, PPG No. 36214 (Permit to Install 16-01330);
T040 - T-157, 20,000 gallon diethylene glycol tank, T19, PPG No. 25270;
T050 - T-163, 10,000 gallon IPOH tank, PPG No. 21148;
T051 - T-160, 10,000 gallon IPOH tank, PPG No. 19610;
T052 - T-148, 10,000 gallon n-propyl chloroformate, T05, PPG No. 36091;
T053 - T-167, 15,000 gallon east HCl tank, PPG No. 19701;
T054 - T-137, 15,000 gallon west HCl tank, PPG No. 19702;
T055 - T-339, 150,000 gallon northeast wastewater averaging tank, PPG No. 19916;
T056 - T-422, 150,000 gallon southeast wastewater averaging tank;
B030 - Fire pump diesel engine, east, 150 hp;
B031 - Fire pump diesel engine, west, 150 hp;
T057 - T-570, 20,000 gallon monoethylene glycol bis chloroformate (MECF) tank, PPG No. 39010;
T058 - T-571, 20,000 gallon polycaprolactone diol bis chloroformate tank, PPG No. 39011;
T059 - T-573, 10,000 gallon CR-600 product tank #1, PPG No. 39019;
T060 - T-574, 10,000 gallon CR-600 product tank #1, PPG No. 39020; and
B032 - emergency generator, south plant.

(Authority for term: OAC rule 3745-77-07(A)(13))

8. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements (as defined in OAC rule 3745-77-01(H)) or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

G001 - T-489, 2,500 gallon gas tank (Permit to Install 16-299);
T015 - T-231, 10,000 gallon d-limonene tank, PPG No. 21231;
T017 - T-096, 10,000 gallon No. 1 CR-39 day tank, PPG No. 34096;
T043 - T-130, 5,200 gallon anhydrous ammonia tank, PPG No. 25274 (Permit to Install 16-01330);
T046 - T-230, 10,000 gallon dynalene tank, PPG No. 21230 (Permit to Install 16-01330);
Z006 - T-098, 10,000 gallon No 2 CR-39 day tank, PPG No. 34098;
Z007 - T-100, 10,000 gallon No 3 CR-39 day tank, PPG No. 34100;
Z012 - T-210, OPWW NaOH (20%) tank, PPG No. 38363;
Z017 - T-490, 550 gallon diesel tank, maintenance department, PPG No. 37248;
Z025 - T-481, 200 gallon diesel tank;
Z026 - T-212, 250,000 gallon optical products wastewater system, north averaging tank;
Z027 - T-213, 250,000 gallon optical products wastewater system, south averaging tank;
Z028 - OPWW basins, optical products wastewater system - 3 wastewater basins; and
Z032 - road fugitives from roadways and parking areas.

C. Emissions Unit Terms and Conditions

1. P098, Chloroformate Plant

Operations, Property and/or Equipment Description:

Chloroformate plant

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) e)(1).

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) (P0104977, as effective 04/08/10)	Organic materials emissions shall not exceed 2.0 pounds per hour (limitation established "as carbon"). Hydrogen chloride (HCl) emissions shall not exceed 1.7 pounds per hour. Chlorine (Cl_2) emissions shall not exceed 0.3 pounds per hour. Nitrogen oxides (NOx) emissions shall not exceed 1.6 pounds per hour. See b)(2)a. and b)(2)b. below.
b.	OAC rule 3745-21-07(G)(2)	85% overall organic compounds (OC) emissions control efficiency, by weight See b)(2)c. below.
c.	OAC rule 3745-21-07(M)(2)	OC shall be reduced by 85% overall control efficiency, by weight. If the reductions are achieved by incineration, 90% destruction efficiency.
d.	OAC rule 3745-21-09(DD)	LDAR program (The LDAR program requirements of 40 CFR 63, Subpart UU (as referenced/required in 40 CFR 63, Subpart FFFF) is considered to be more stringent than the LDAR requirements of OAC rule 3745-21-09(DD)).
e.	40 CFR 63, Subpart FFFF	See section B.6.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
f.	40 CFR 63, Subpart NNNNN	See section B.7.

(2) Additional Terms and Conditions

a. The permittee shall employ either an incinerator and tails scrubber to control air contaminant emissions from this emissions unit or an alternative control system consisting of an emergency scrubber (e-scrubber), flare, or other control system that can be demonstrated to achieve compliance with the mission limits and control requirements of this permit.

b. The permittee shall employ a gas chromatograph to continuously monitor the vent stack for phosgene.

c. 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) A pilot flame shall be maintained at all times in the flare's pilot light burner when the emissions unit is in operation and employing organic compounds and the flare is being used as a control device.

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

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly install, operate, and maintain a device to continuously monitor the pilot flame when the emissions unit is in operation and employing organic compounds and the flare is being used as a control device. The monitoring device and any recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.

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

(2) The permittee shall monitor the flare to ensure that it is operated and maintained in conformance with its design and the requirements contained in this permit.

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

(3) The permittee shall record the following information each day for the flare and process operations:

a. all periods during which the emissions unit was in operation and employing organic compounds and the flare is being used as a control device and there was no pilot flame; and

b. the operating times for the flare, monitoring equipment, and the associated emissions unit.

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

(4) Parametric monitoring, record keeping, and reporting requirements for the thermal incinerator and both scrubbers are included in section B.6. as part of the MACT requirements.

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

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

(2) The permittee shall submit quarterly deviation reports that identify all periods of time during which the pilot flame was not functioning properly or the flare was not maintained as required in this permit. The reports shall include the date, time, and duration of each such period.

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

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

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

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:

OC emissions shall not exceed 2.0 pounds per hour, on an “as carbon” basis.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 18 or 25 of 40 CFR Part 60, Appendix A.

(Authority for term: OAC rule 3745-21-10 and OAC rule 3745-77-07(C)(1))

b. Emission Limitation:

HCl emissions shall not exceed 1.7 pounds per hour.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance by testing in accordance with Method 1 - 4, and 26A of 40 CFR Part 60, Appendix A.

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

c. Emission Limitation:

Cl_2 emissions shall not exceed 0.3 pounds per hour.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance by testing in accordance with Method 1 - 4, and 26A of 40 CFR Part 60, Appendix A.

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

d. Emission Limitation:

NOx emissions shall not exceed 1.6 pounds per hour.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance by testing in accordance with Method 1 - 4, and 7E of 40 CFR Part 60, Appendix A.

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

e. Emission Limitation:

85% overall organic compounds emissions control efficiency, by weight.

If the reductions are achieved by incineration, 90% destruction efficiency.

Applicable Compliance Method:

Compliance shall be demonstrated based on results of emission testing conducted in accordance with the requirements specified in section f)(2) below.

(Authority for term: OAC rule 3745-21-10 and OAC rule 3745-15-04 and OAC rule 3745-77-07(C)(1))

(2) The permittee shall conduct, or have conducted, emission testing for this emissions unit for both the thermal incinerator / tails scrubber and the e-scrubber in accordance with the following requirements:

a. The emission testing shall be conducted approximately 2.5 years after permit issuance and within 6 months prior to permit renewal.

b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for OC and the additional destruction requirement when incineration is used.

c. The following test method(s) shall be employed to demonstrate compliance with the control efficiency:

Methods 1 through 4, and 18 or 25, as appropriate, of 40 CFR Part 60, Appendix A.

The reported OC mass emission value shall be reported as both “as carbon” and also the actual OC emission rate in order to determine actual OC emissions. The determination of the weight fraction of carbon may be based on standard analytical techniques or material formulation data.

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

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 3745-21-10 or an alternative test protocol approved by the Ohio EPA. 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.

d. 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.

e. 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).

f. During each test run, the permittee shall monitor and record both the pressure drop across the scrubber and the scrubber liquid flow rate every 15 minutes and include the results in the test report.

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 3745-21-10 and OAC rule 3745-15-04 and OAC rule 3745-77-07(C)(1))

g) Miscellaneous Requirements

(1) None.

2. P099, CR-39 Plant

Operations, Property and/or Equipment Description:

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) e)(1)

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)	85% overall organic compounds (OC) emissions control efficiency, by weight See b)(2)a. below.
b.	OAC rule 3745-21-07(M)(2)	OC emissions shall be reduced by 85% overall control efficiency, by weight.
c.	40 CFR Part 63, Subpart FFFF	See section B.6.c)(1), B.6.d)(1), and B.6.e)(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.

c) Operational Restrictions

(1) The emissions from this emissions unit shall be vented to the wet scrubber at all times the emissions unit is in operation.

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

d) Monitoring and/or Recordkeeping Requirements

(1) In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable pressure drop across the scrubber, that shall be maintained

in order to demonstrate compliance, shall be less than or equal to 6 inches of water, based upon an average value of all 3 shift readings for each day.

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

(2) In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable scrubber liquid flow rate, that shall be maintained in order to demonstrate compliance, shall not be less than 3.0 gallons per minute, based upon an average value of all 3 shift readings for each day.

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

(3) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop across the scrubber (in inches of water), and the scrubber liquid flow rate (in gallons per minute during operation of this emissions unit, including periods of startup and shutdown. The permittee shall record the pressure drop across the scrubber and the scrubber liquid's flow rate on a once per shift basis, and the daily average values for each of the 3 shift readings. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

Whenever the monitored value for any parameter deviates from the range(s) or minimum limit(s) established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the control equipment parameters within the acceptable range(s), or at or above the minimum limit(s) specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date the corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the pressure drop, flow rate, and pH readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

These range(s) and/or limit(s) for the pressure drop and liquid flow rate are effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted range or limit for the pressure drop or liquid flow rate based upon information obtained during future performance tests that demonstrate compliance with the allowable OC emission rate for this emissions unit. In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

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

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

(2) The permittee shall submit quarterly deviation (excursion) reports that include the following information:

a. each period of time (start time and date, and end time and date) when the pressure drop across the scrubber or the liquid flow rate was outside of the appropriate range or exceeded the applicable limit contained in this permit;

a. any period of time (start time and date, and end time and date) when the emissions unit was in operation and the process emissions were not vented to the scrubber;

b. each incident of deviation described in “a” or “b” (above) where a prompt investigation was not conducted;

c. each incident of deviation described in “a” or “b” where prompt corrective action, that would bring the pressure drop or liquid flow rate into compliance with the acceptable range, was determined to be necessary and was not taken; and

d. each incident of deviation described in “a” or “b” where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.

(Authority for term: OAC rule 3745-15-03(B)(1)(a) and OAC rule 3745-15-03(C); and OAC rule 3745-77-07(C)(1))

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

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

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:

OC emissions shall be reduced 85%, by weight.

Applicable Compliance Method:

Compliance shall be demonstrated based on the results of emission testing in accordance with the requirements specified in section f)(2) below.

(Authority for term: OAC rule 3745-21-10 and OAC rule 3745-15-04 and OAC rule 3745-77-07(C)(1))

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

a. The emission testing shall be conducted approximately 2.5 years after permit issuance and within 6 months prior to permit renewal.

b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for OC.

c. The following test method(s) shall be employed to demonstrate compliance with the control efficiency:

Methods 1 through 4, and 18 or 25*, as appropriate, of 40 CFR Part 60, Appendix A.

*If Method 25 is employed, the reported OC mass emission value shall be converted from “as carbon” to the actual OC emission rate. The determination of the weight fraction of carbon may be based on standard analytical techniques or material formulation data.

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

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 3745-21-10 or an alternative test protocol approved by the Ohio EPA. 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.

d. 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.

e. 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).

f. During each test run, the permittee shall monitor and record both the pressure drop across the scrubber and the scrubber liquid flow rate every 15 minutes and include the results in the test report.

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 3745-21-10 and OAC rule 3745-15-04 and OAC rule 3745-77-07(C)(1))

g) Miscellaneous Requirements

(1) None.