State of Ohio Environmental Protection Agency

STREET ADDRESS:
Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

MAILING ADDRESS:
P.O. Box 1049
Columbus, OH 43216-1049

4/6/2009

Certified Mail
Facility ID: 0448011640
Permit Number: P0088446
County: Lucas

Steven Hopper
Process Solutions Inc
4760 World Houston Parkway, Suite 100
Veolia Water North America\Process Solut
Houston, TX 77032

RE: PRELIMINARY PROPOSED AIR POLLUTION TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 2/9/2009. The comment period for the Draft permit has ended. We are now ready to submit this permit to U.S. EPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page http://www.epa.state.oh.us/dapc in Microsoft Word and Adobe Acrobat format. Comments will be accepted as a marked-up copy of the permit or in narrative format. Any comments must be sent to the following within 14 days of your receipt of this letter:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
Columbus, Ohio 43215

and

Toledo Department of Environmental Services
348 South Erie Street
Toledo, OH 43604

If you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.

If comments are not submitted within 14 days of your receipt of this letter, we will forward the proposed permit to U.S. EPA for approval. All comments received will be carefully considered before proceeding with the proposed permit.

Sincerely,

Michael W. Ahern

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

Cc: Toledo Department of Environmental Services

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

PRELIMINARY PROPOSED

Air Pollution Title V Permit
for
Process Solutions Inc

Facility ID: 0448011640
Permit Number: P0088446
Permit Type: Renewal
Issued: 4/6/2009
Effective: To be entered upon final issuance
Expiration: To be entered upon final issuance

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Title V Permit
for
Process Solutions Inc

Table of Contents

Authorization 1
A. Standard Terms and Conditions 2
1. Federally Enforceable Standard Terms and Conditions 3
2. Monitoring and Related Record Keeping and Reporting Requirements 3
3. Scheduled Maintenance 6
4. Risk Management Plans 6
5. Title IV Provisions 6
6. Severability Clause 7
7. General Requirements 7
8. Fees 8
9. Marketable Permit Programs 8
10. Reasonably Anticipated Operating Scenarios 8
11. Reopening for Cause 8
12. Federal and State Enforceability 9
13. Compliance Requirements 9
14. Permit Shield 10
15. Operational Flexibility 10
16. Emergencies 11
17. Off-Permit Changes 11
18. Compliance Method Requirements 12
19. Insignificant Activities or Emissions Levels 12
20. Permit to Install Requirement 12
21. Air Pollution Nuisance 12
22. Permanent Shutdown of an Emissions Unit 12
23. Title VI Provisions 13
24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only 13
25. Records Retention Requirements Under State Law Only 13
26. Inspections and Information Requests 13
27. Scheduled Maintenance/Malfunction Reporting 14
28. Permit Transfers 14

29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations 14

B. Facility-Wide Terms and Conditions 15

C. Emissions Unit Terms and Conditions 17

1. P001, Centrifuge and Thermal Dewatering Unit 18

Authorization

Facility ID: 0448011640
Facility Description: Facility processes the sludge from the refinery wastewater system to recover oil that is recycled to the refinery.
Application Number(s): A0019602, A0019603
Permit Number: P0088446
Permit Description: Process Solutions TV renewal
Permit Type: Renewal
Issue Date: 4/6/2009
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:

Process Solutions Inc
1819 Woodville Road
Oregon, OH 43616

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

Toledo Department of Environmental Services
348 South Erie Street
Toledo, OH 43604
(419)936-3015

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 Toledo Department of Environmental Services. 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) constitutes a violation of an emission limitation (or control requirement) and, therefore, 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 Toledo Department of Environmental Services.
(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) none

2. Sunoco, Inc. refinery is the generator of waste streams for which the total annual benzene quantity exceeds 10 megagrams per year (11 tons per year), so 40 CFR Part 61, Subpart FF is applicable to the Sunoco refinery. TWO LLC Wastewater Treatment Unit and Process Solutions are independent companies which, by contract, are responsible to treat the Sunoco refinery waste streams. Portions of 40 CFR Part 61, Subpart FF are applicable to the operations of both TWO LLC Wastewater Treatment Unit and Process Solutions. Process Solutions will be responsible to the extent of their control of the benzene treatment process.

   The relation of these three firms is described below.

   Sunoco, Inc., a refinery operating in Lucas County, contracts the treatment of its wastewater to TWO LLC Wastewater Treatment Unit.

   TWO LLC Wastewater Treatment Unit owns and operates an API oil-water separator and other wastewater treatment equipment which accepts wastewater which originates, at this time, exclusively from the Sunoco related facilities. TWO LLC Wastewater Treatment Unit and Sunoco occupy adjacent and separate areas within the refinery boundaries. TWO LLC Wastewater Treatment Unit produces treated water and oil which are returned to Sunoco as separate streams; and a mixture of oil, water, and solids ("sludge") which are sent to Process Solutions for further processing.

   Process Solutions operates sludge processing equipment as a part of the wastewater treatment process and occupies adjacent separate areas within the refinery boundaries to both TWO LLC Wastewater Treatment Unit and Sunoco. Process Solutions receives oil, water and solid mixtures from TWO LLC Wastewater Treatment Unit or from Sunoco, exclusively (at this time). Process Solutions separates these waste streams into a water and oil mixture, which is returned to TWO LLC Wastewater Treatment Unit, oil which is returned to Sunoco, and solids which are loaded into rolloff boxes and later disposed offsite.

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

   F001 – Maintenance welding by outside contractors

   F002 – Clean-up activities associated with remedial spills within facility

   F003 – Small activities performed by outside contractors while cleaning equipment

   F004 – Unpaved area around pad

C. Emissions Unit Terms and Conditions

1. P001, Centrifuge and Thermal Dewatering Unit

Operations, Property and/or Equipment Description:

P001 - Wastewater sludge dewatering process (centrifuge and thermal dewatering unit) and vapor recovery system (condenser and carbon canisters).

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) See d)(4) through (7) and e)(5).

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) PTI 04-01341 issued 12/16/03	0.55 pound per hour of volatile organic compounds (VOC) 2.42 tons of VOC per year from the control device and roll-off box See b)(2)a. and b)(2)h.
b.	40 CFR Part 63, Subpart CC [In accordance with 40 CFR 63.640(a) and its relationship with Sunoco Inc. refinery, this emissions unit is considered to be part of an existing petroleum refinery subject to the emission limitations/control measures specified in this section.]	See b)(2)b.
c.	40 CFR Part 63, Subpart A	See b)(2)c.
d.	40 CFR Part 61, subpart FF [In accordance with 40 CFR 63.647(a), this emissions unit is considered to be part of an existing petroleum refinery subject to the emission limitations/control measures specified in this section for Group 1 and Group 2 wastewater	See b)(2)d.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	streams.]	
e.	OAC rule 3745-21-09(L)(2)(a)	See b)(2)e.
	For Equipment Leaks:	
f.	40 CFR Part 63, Subpart CC [In accordance with 40 CFR 63.640(a) and its relationship with Sunoco Inc. refinery, this emissions unit is considered to be part of an existing petroleum refinery subject to the emission limitations/control measures specified in this section.]	See b)(2)f.
g.	40 CFR Part 63, Subpart A	See b)(2)c.
h.	OAC rule 3745-21-09(T)	See b)(2)g.

(2) Additional Terms and Conditions

a. The requirements of this rule also include compliance with the requirements of 40 CFR Part 63, Subpart CC; 40 CFR Part 63, Subpart A; 40 CFR Part 61, Subpart FF; and 40 CFR Part 60, Subpart QQQ.

b. [63.640]

i. [63.640(c)]
For the purpose of 40 CFR Part 63, Subpart CC, the affected source shall comprise all emission points, in combination, listed in 63.640(c)(1) through (c)(7) that are located at a single refinery plant site, i.e., [63.640(c)(3)] all wastewater streams and treatment operations associated with petroleum refining process units; and [63.640(c)(4)] all equipment leaks.

ii. [63.640(e)(1)]
Where a storage vessel is used exclusively by a process unit, the storage vessel shall be considered part of that process unit.

iii. K [63.647(a)]
For every Group 1 wastewater stream, the permittee shall comply with the requirements of 61.340 through 61.355 of 40 CFR Part 61, Subpart FF.

iv. [63.647(b)]
All terms not defined in 40 CFR Part 63.641 shall have the meaning given them in the Clean Air Act or in 40 CFR Part 61.341 in Subpart FF.

c. [63.642(c)]
The permittee shall comply with the applicable portions 40 CFR Part 63, Subpart A as specified in Table 6 of 40 CFR Part 63, Subpart CC.

d. 40 CFR Part 61, subpart FF

*NOTE: see section B of this permit for the relationship between Sunoco refinery, TWO LLC Wastewater Treatment Unit and Process Solutions in regards to treating the waste streams from the refinery.

i. [63.647(a)]
The permittee shall comply with the applicable portions of 40 CFR Part 61, Subpart FF for the following affected sources: tanks [61.343], containers [61.345], individual drain systems [61.346], treatment processes [61.348], and closed-vent systems and control devices [61.349].

ii. [61.340(a)] APPLICABILITY
The provisions of 40 CFR Part 61, Subpart FF apply to the permittee of hazardous waste treatment, storage, and disposal facilities that treat, store, or dispose of hazardous waste generated by a petroleum refinery. The waste streams at hazardous waste treatment, storage, and disposal facilities subject to the provisions of this 40 CFR Part 61, Subpart FF are the benzene-containing hazardous wastes from the petroleum refinery. A hazardous waste treatment, storage, and disposal facility is a facility that must obtain a hazardous waste management permit under subtitle C of the Solid Waste Disposal Act

iii. [61.343(a)(1)] STANDARDS: TANKS
The permittee shall operate and maintain a fixed roof and closed-vent system that routes all organic vapors to a control device.

iv. [61.348(a)(1)(i)] STANDARDS: TREATMENT PROCESSES
Except as otherwise provided in 40 CFR Part 61.348(a)(5), the permittee shall operate, and maintain a treatment process that removes benzene from the waste stream to a level less than 10 parts per million by weight (ppmw) on a flow-weighted annual average basis.

v. [61.349(a)(1)(i)] STANDARDS: CLOSED-VENT SYSTEMS AND CONTROL DEVICES
The closed vent system shall be designed to operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background

vi. [61.349(a)(2) and (a)(2)(ii)] STANDARDS: CLOSED-VENT SYSTEMS & CONTROL DEVICES
The control device shall be designed and operated in accordance with the following condition: a vapor recovery system (e.g., a carbon adsorption system or a condenser) shall recover or control the organic emissions vented to it with an efficiency of 95 weight percent or greater, or shall recover or control the benzene emissions vented to it with an efficiency of 98 weight percent or greater.

e. The requirements specified by this rule are less stringent than the requirements established in 40 CFR 61, subpart FF for tanks and/or containers.

f. [63.648(a)]
The permittee shall comply with the provisions of 40 CFR Part 60, Subpart VV and 63.648(b) except as provided in 63.648(a)(1), (a)(2) and 40 CFR Part 63.648(c) through (i).

i. [63.648(a)(1)]
For purposes of compliance with 40 CFR Part 63, Subpart CC, the provisions of 40 CFR Part 60, Subpart VV apply only to equipment in organic HAP service, as defined in 40 CFR Part 63.641.

ii. [63.648(a)(2)]
Calculation of percentage leaking equipment components for Subpart VV of 40 CFR Part 60 may be done on a process unit basis or a source-wide basis. Once the permittee has decided, all subsequent calculations shall be on the same basis unless a permit change is made

g. [OAC rule 3745-21-09(T)]

i. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 63, Subpart CC.

ii. The permittee shall comply with the VOC leak detection and repair program requirements of OAC rule 3745-21-09(T) by maintaining compliance with the operational restrictions, monitoring, record keeping and reporting requirements of 40 CFR Part 63, Subpart CC for all VOC process equipment leaks.

h. The annual emission limitations were established for PTI purposes to reflect the potential to emit from all of the equipment comprising this process unit while utilizing a 98% effective VOC control device. Therefore, if adequate monitoring, record keeping and reporting requirements are maintained to demonstrate compliance with 98% effective VOC control efficiency requirement, compliance will be also demonstrated with the hourly and annual emission limitations.

c) Operational Restrictions

(1) [63.642] GENERAL STANDARDS - 40 CFR Part 63, Subpart CC

The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, subpart CC, including the following sections:

63.642(g)	Control emissions of organic HAP's to the level represented by the equation stated in 40 CFR 63.642(g) unless permittee complies with 63.642(k) instead
63.642(k)	Comply with the wastewater provisions in 63.647 and the requirements of 63.654 as applicable.

(2) [61.342] GENERAL STANDARDS - 40 CFR Part 61, Subpart FF
NOTE: see section B of this permit for the relationship between Sunoco refinery, TWO LLC and Process Solutions in regards to treating the waste streams from the refinery.

The permittee shall comply with the applicable restrictions required under 40 CFR Part 61, subpart FF, including the following sections:

61.342(c)	Requirements for managing and treating benzene from facility waste (if applicable – see note above).
61.342(f)	Rather than treating the waste onsite, the permittee may elect to comply with 61.342(c)(1)(i) by transferring the waste offsite to another facility where the waste is treated in accordance with the requirements of 61.342(c)(1)(i).
61.342(g)	Compliance with this subpart is determined by review of facility records and results from tests and inspections using methods and procedures specified in 61.355.

(3) [60.482-1] STANDARDS: GENERAL - 40 CFR Part 60, Subpart VV

The permittee shall comply with the applicable restrictions required under 40 CFR Part60, subpart VV, including the following sections:

60.482-1(b)	Compliance with 60.482-2 through 60.482-10 will be determined by review of records and reports, review of performance test results, and inspection using the methods and procedures specified in 60.485
60.482-1(d)	Equipment in vacuum service is excluded from the requirements of 60.482-2 to 60.482-10 if it is identified as required in 60.486(e)(5).

d) Monitoring and/or Recordkeeping Requirements

(1) [40 CFR Part 63, subpart CC]

The permittee shall comply with the applicable monitoring and record keeping requirements under 40 CFR Part 63, subpart CC, including the following sections:

63.642(e)	GENERAL STANDARDS – keep copies of all applicable records and reports required by this subpart for at least 5 years. Records should be readily accessible within 24 hours.
63.648	EQUIPMENT LEAK STANDARDS
63.654(a)	RECORDKEEPING REQUIREMENTS - Comply with the record keeping and reporting provisions in 61.356 and 61.357 of 40 CFR Part 61, Subpart FF.

63.654(d)	The permittee shall comply with the record keeping and reporting provisions in 63.654(d)(1), (d)(2), (d)(5) and (d)(6) for equipment leaks

(2) [40 CFR Part 61, Subpart FF]

The permittee shall comply with the applicable monitoring and record keeping requirements under 40 CFR Part 63, subpart CC, including the following sections:

61.343	STANDARDS FOR TANKS - operate, and maintain a fixed-roof and closed-vent system that routes all organic vapors vented from the tank to a control device. The tanks are to be monitored annually for leaks. Those greater than 500 ppmv above background are considered leaking. First effort at repair is within 15 days. Visual inspections are performed quarterly.
61.345	STANDARDS FOR CONTAINERS - operate, and maintain a cover on each container used to handle, transfer, or store waste. The containers are monitored annually for leaks. Those greater than 500 ppmv above background are considered leaking. First effort at repair is within 15 days. Visual inspections are performed quarterly.
61.348	STANDARDS TREATMENT PROCESSES - Treat waste streams to remove benzene to less than 10 ppmw. NOTE: see section B.2., Process Solutions is responsible to the extent of their control of the benzene treatment process.
61.349	STANDARDS CLOSED VENT SYSTEMS AND CONTROL DEVICES - Closed-vent systems and control devices are monitored annually for leaks. Those greater than 500 ppmv above background are considered leaking. First effort at repair is within 15 days. Visual inspections are performed quarterly
61.350	STANDARDS DELAY OF REPAIR - Delay of Repair is allowed if the repair is technically impossible without a partial or complete unit shutdown.
61.354	MONITORING OF OPERATIONS - NOTE:. see section B.2., Process Solutions is responsible to the extent of their control of the benzene treatment process. Calibrate, maintain, and operate according to the manufacturer's specifications a device to continuously monitor the control device operation. For a carbon adsorption system that does not regenerate the carbon bed directly on site (e.g., a carbon canister), either the concentration level of the organic compounds or the concentration level of benzene in the exhaust vent stream from the carbon adsorption system shall be monitored on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately when carbon breakthrough is indicated.

61.356(b)	RECORDKEEPING REQUIREMENTS - : Maintain records that identify each waste stream at the facility and indicate whether or not the waste stream is controlled for benzene emissions in accordance with this subpart. Maintain a list of exempt waste streams along with calculations and documentations.
61.356(c)	If transferring waste off-site to another facility for treatment in accordance with 61.342(f), then shall maintain documentation for each offsite waste shipment.
61.356(d) and (f)	Maintain engineering design documentation for all control equipment and the closed vent system and the design analysis of the carbon adsorption system. Information is retained for the life of the equipment.
61.356(g) and (h)	Maintain records of all visual inspections and the records for all tests of no detectable emissions required by 61.343 through 61.347 and 61.349, along with information regarding repairs.
61.356(i)	For each treatment process operated to comply with 61.348, maintain documentation that includes the startup and shutdown of the unit. There may be other applicable portions of 61.356(i) that apply to this emissions unit.
61.345(j)	Maintain documentation regarding the closed vent system and control device (carbon adsorbers); dates and times when breakthrough is measured, when carbon is replaced. Record times when the above is not operated as designed; startups and shutdown of the units.

(3) [40 CFR Part 60, subpart VV] NSPS FOR EQUIPMENT LEAKS OF VOC IN THE SYNTHETIC ORGANIC CHEMICALS MANUFACTURING INDUSTRY

The permittee shall comply with the applicable monitoring and record keeping requirements under 40 CFR Part 60, subpart VV, including the following sections:

60.482-1	Standards-General: Compliance is determined by review of records, reports, review of performance test results and inspections.
60.482-2	Standards-Pumps in Light Liquid Service: Pumps are checked visually on a weekly basis for indications of leaks. Monitored monthly with readings of 10,000 ppm or greater indicating a leak. First attempt at repair shall be made within 5 days and repaired no later than 15 days.
60.482-3	Standards-Compressors: Each barrier fluid system (see 60.482-3(a)) shall be equipped with a sensor, checked daily or equipped with an audible alarm. If sensor indicates failure of the seal system, barrier system or both, a leak is detected. First attempt at repair shall be made within 5 days and repaired no

	later than 15 days.
60.482-4	Standards-Pressure Relief Devices in Gas/Vapor Service: They shall be operated with no detectable emissions (<500 ppm above background). Within 5 days after a pressure release, the device must be remonitored. First attempt at repair shall be made within 5 days and repaired no later than 15 days.
60.482-5	Standards-Sampling Connection Systems: each sampling connection system shall be equipped with a closed- purged, closed-loop or closed-vent system and shall comply with the requirements of 40.682-5(b). In situ sampling without purges are exempt from the above.
60.482-6	Standards-Open-Ended Valves or Lines: Open-ended valves or lines are to be equipped with cap, blind flange, plug or second valve.
60.482-7	Standards-Valves in Gas/Vapor Service in Light Liquid Service: Valves are monitored monthly to detect leaks (>10,000 ppm). First attempt at repair shall be made within 5 days and repaired no later than 15 days. If a leak is detected, the valve is monitored monthly until a leak is not detected for 2 successive months. See 60.482-7(f)-(h) for information regarding valves with no detectable emissions, unsafe-to-monitor or difficult-to-monitor valves.
60.482-8	Standards-Pumps and Valves in Heavy Liquid Service, Pressure Relief Devices in Light Liquid or Heavy Liquid Service, and Connectors: Evidence of a leak is found by visual, audible, olfactory or other detection methods. The equipment shall be monitored within 5 days using Method 21 for leaks (>10,000 ppm). First attempt at repair shall be made within 5 days and repaired no later than 15 days.
60.482-9	Standards-Delay of Repair: Delay of repair (DOR) of equipment with leaks is allowed if repair within 15 days is infeasible without a process shutdown. Repair shall then occur before the end of the next process unit shutdown. DOR is allowed if the equipment is isolated from the process and not in VOC service.
60.482-10	Standards-Closed Vent Systems and Control Devices: Vapor recovery stems shall have an efficiency of 95% or greater, or to an exit concentration of 20 ppmv; combustion devices shall have an efficiency of 95% or greater, or to an exit concentration of 20 ppmv, dry basis, corrected to 3% oxygen or provide a minimum residence time of 0.75 seconds at minimum temperature of 816ºC. Flares will comply with requirements of 60.18. Leaks (>500 ppmv above background) shall have a first attempt at repair made within 5 days and repaired no later than 15 days.

60.486	Recordkeeping Requirements: Records that identify all equipment subject to this subpart along with records of the all monitoring performed along with the leaks and repair information. Keep design requirements for closed vent systems and control devices. Keep separate lists of those pieces of equipment designated for no detectable emissions, unsafe to monitor and difficult to monitor.

(4) TOXIC AIR CONTAMINANT STATUTE

The permit to install (PTI) application for this emissions unit, P001, was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to this emissions unit for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant emitted at over one ton per year using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground level concentration result from the approved air dispersion model, was compared to the Maximum Acceptable Ground Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):

   i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or

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

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

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

   TLV/10 x 8/X x 5/Y = 4 TLV/XY = MAGLC

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

Toxic Contaminant: Hexane

TLV (mg/m3): 1762

Maximum Hourly Emission Rate (lbs/hr): 0.27

Predicted 1-Hour Maximum Ground Level Concentration (ug/m3): 250

MAGLC (ug/m3): 42×10^3

The permittee, has demonstrated that emissions of Hexane, from emissions unit(s) P001, is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

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

(5) Prior to making any physical changes to or changes in the method of operation of the emissions unit, that could impact the parameters or values that were used in the predicted 1-hour maximum ground level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and

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

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

determine the ground level concentration; and he/she may require the permittee to submit a permit application for the increased emissions.

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

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

a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);

b. the Maximum Acceptable Ground Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F);

c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground level concentration that demonstrated the emissions unit(s) to be in compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and

d. the documentation of the initial evaluation of compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

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

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

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

e) Reporting Requirements

(1) [63.642(f)] GENERAL STANDARDS - 40 CFR Part 63, Subpart CC
All reports required under this subpart shall be sent to the Toledo Division of Environmental Services at the address listed below. If acceptable to both the Administrator and the permittee of a source, reports may be submitted on electronic media.

Toledo Division of Environmental Services
Air Section

348 South Erie St.
Toledo, OH 43604

(2) [63.654] REPORTING REQUIREMENTS - 40 CFR Part 63, Subpart CC

The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR 63, subpart CC, per the following sections:

63.654(a)	Submit the reports as required for Group 1 wastewater streams that comply with the requirements of 40 CFR 61.340 through 61.355 of subpart FF.
63.654(e)	Submit the reports described in 63.654(h)
63.654(d)	Submit reports as required by 40 CFR 60.487 of subpart VV for equipment leaks.
63.654(h)	Reports of startup, shutdown, and malfunction required by 40 CFR Part 63.10(d)(5). Records and reports of startup, shutdown, and malfunction are not required if they pertain solely to Group 2 emission points, as defined in 40 CFR Part 63.641.

(3) [61.357] REPORTING REQUIREMENTS - 40 CFR Part 61, Subpart FF

NOTE: Currently, Sunoco, Inc. submits the Total Annual Benzene (TAB) report for all wastewater streams on the refinery property, including Process Solution.

The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as required by 40 CFR 61, subpart FF, including the following sections:

61.357(d)(2)	(d)(2) Submit annually a report that updates the waste stream characteristics based on the information submitted as an initial notification in 61.357(a). NOTE: Sunoco, Inc. submits this annual report (TAB).
61.357(d)(6)	Submit quarterly a report that the equipment necessary to comply with these standards has been certified in accordance with 61.357(d)(1) and that the required inspections were carried out.
61.357(d)(8)	Submit annually a report that summarizes all inspections required by 61.342 through 61.354 during which detectable emissions are measured or a problem that resulted in benzene emissions is identified, including information about the repairs and corrective actions.

(4) [60.487] REPORTING REQUIREMENTS - 40 CFR Part 60, Subpart VV

The permittee shall submit semiannual reports and such other notifications and reports to the appropriate Ohio EPA District office or local air agency as are required pursuant to 40 CFR 60, subpart VV, per the following sections:

60.487	Submit semiannual reports that includes the content of 60.487(c). Submit the results of all performance tests in accordance with 60.8, if applicable.

(5) TOXIC AIR CONTAMINANT STATUTE REPORTING
The permittee shall submit annual reports to the appropriate Ohio EPA District Office or local air agency, documenting any changes made to a parameter or value used in the dispersion model, that was used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground level concentration. If no changes to the emissions unit or the exhaust stack have been made, then the report shall include a statement to this effect. This report shall be postmarked or delivered no later than January 31 following the end of each calendar year.

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

f) Testing Requirements

(1) [63.642(d)] GENERAL STANDARDS - 40 CFR Part 63, Subpart CC

Initial compliance determinations shall be required only as specified in this subpart. Compliance determinations shall be conducted according to the schedule and procedures specified in this subpart.

a. [63.642(d)(1)]
Performance tests and compliance determinations shall be conducted according to the schedule and procedures specified in this subpart.

b. [63.642(d)(2)]
The permittee shall notify the Administrator of the intention to conduct a performance test at least 30 days before the performance test is scheduled.

c. [63.642(d)(3)]
Performance tests shall be conducted according to the provisions of 40 CFR Part 63.7(e) except that performance tests shall be conducted at maximum representative operating capacity for the process. During the performance test, an owner or operator shall operate the control device at either maximum or minimum representative operating conditions for monitored control device parameters, whichever results in lower emission reduction.

d. [63.642(d)(4)]
Data shall be reduced in accordance with the EPA-approved methods specified in the applicable section or, if other test methods are used, the data and methods shall be validated according to the protocol in Method 301 of Appendix A of 40 CFR Part 63.

(2) [40 CFR 61, subpart FF] TEST METHODS, PROCEDURES AND COMPLIANCE PROVISIONS

The permittee shall comply with the applicable testing requirements required under 40 CFR 61, subpart FF, including the following sections:

61.342(g)	Compliance will be determined by review of facility records and results from tests and inspections using methods and procedures in 61.355.
61.355(a), (b) and (c)	Use the procedure in 61.355(b) to determine the annual waste quantity for each waste stream. Use the procedure in 61.355(c) to determine the flow-weighted annual average benzene concentration of each waste stream. Calculate the annual benzene quantity for each waste stream as stated in 61.355(a)(1)(iii).
61.355(h)	The permittee shall test equipment for compliance with no detectable emissions as required in 40 CFR Part 61.343 through 61.347 and 61 by using Method 21 of Appendix A.

(3) [60.485] TEST METHODS AND PROCEDURES - 40 CFR Part 60, Subpart VV (Equipment Leaks)

The permittee shall comply with the applicable testing requirements required under 40 CFR Part 60, subpart VV, including the following sections:

60.485(a)	For tests, use the reference methods and procedures in Appendix A of this part.
60.485(b)	To determine compliance with the standards in 60.482, 60.483, and 60.484 by using Method 21.
60.485(c)	Determining compliance with the no detectable emission standards in 60.482-2(e), 60.482-3(i), 60.482-4, 60.482-7(f) and 60.482-10(e).
60.485(d)	Methods used to test each piece of equipment to demonstrates that the VOC content would never be reasonably expected to exceed 10 percent by weight.
60.485(e)	How to demonstrate that equipment is in light liquid service.

(4) OAC REQUIREMENTS
Compliance with the allowable emission limitations in b) shall be determined according to the following methods:

a. Emission Limitation:

0.55 lb/hr VOC

Applicable Compliance Method:

Compliance with this emission limit shall be determined using the procedures for determining the emissions from the outlet of the control device identified under 40 CFR Part 61.355(i) and calculating the emissions for the roll-off box using equations 2, 9 and 23 from AP-42, section 4.3 (9/91).

b. Emission Limitation:

2.42 tons/yr VOC

Applicable Compliance Method:

The annual emission limitation was based on the hourly emission limitation for 8760 hours per year. Therefore, compliance with the hourly emission limitation constitutes compliance with the annual emission limitation.

[OAC rule 3745-31-05, OAC rule 3745-77-07(A)(1) and PTI 04-01341]

g) Miscellaneous Requirements

(1) None.