John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

2/8/2013

Certified Mail

Stephen Sherk
American Refining Group
77 N. Kendall Ave.
Bradford, PA 16701

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0679000277
Permit Number: P0107872
Permit Type: Administrative Modification
County: Tuscarawas

Dear Permit Holder:

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

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

How to appeal this permit

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

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

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

How to get an electronic copy of your permit

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

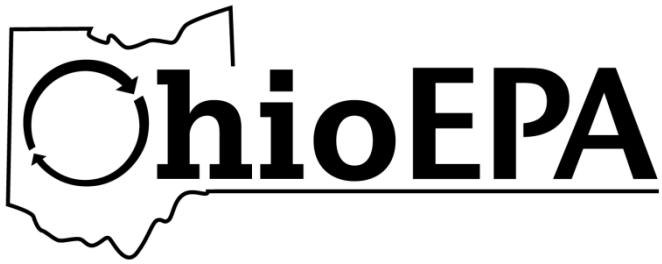
If you have any questions, please contact Ohio EPA DAPC, Southeast District Office at (740)385-8501or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,

Michael W. Ahern

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

Cc: Ohio EPA-SEDO



FINAL

Division of Air Pollution Control
Permit-to-Install and Operate
for
American Refining Group

Facility ID:	0679000277
Permit Number:	P0107872
Permit Type:	Administrative Modification
Issued:	2/8/2013
Effective:	2/8/2013
Expiration:	10/12/2017

Division of Air Pollution Control
Permit-to-Install and Operate
for
American Refining Group

Table of Contents

Authorization 1
A. Standard Terms and Conditions 3
1. What does this permit-to-install and operate ("PTIO") allow me to do? 4
2. Who is responsible for complying with this permit? 4
3. What records must I keep under this permit? 4
4. What are my permit fees and when do I pay them? 4
5. When does my PTIO expire, and when do I need to submit my renewal application? 4
6. What happens to this permit if my project is delayed or I do not install or modify my source? 5
7. What reports must I submit under this permit? 5
8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit? 5
9. What are my obligations when I perform scheduled maintenance on air pollution control equipment? 5
10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report? 6
11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located? 6
12. What happens if one or more emissions units operated under this permit is/are shut down permanently? 6
13. Can I transfer this permit to a new owner or operator? 7
14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"? 7
15. What happens if a portion of this permit is determined to be invalid? 7
B. Facility-Wide Terms and Conditions 8
C. Emissions Unit Terms and Conditions 13
1. J001, Railcar Loading 14
2. T001, Tank 1 19
3. T002, Tank 2 26

Authorization

Facility ID:	0679000277
Application Number(s):	A0038334, A0041517, A0043610, A0043716, A0044525
Permit Number:	P0107872
Permit Description:	Renewal permit for a crude oil loading rack and two bulk storage tanks and administrative modification of installation permits to incorporate federally enforceable restrictions on VOC emissions to avoid Title V requirements
Permit Type:	Administrative Modification
Permit Fee:	$1,375.00
Issue Date:	2/8/2013
Effective Date:	2/8/2013
Expiration Date:	10/12/2017

Permit Evaluation Report (PER) Annual Date: July 1 - June 30, Due Aug 15

This document constitutes issuance to:

American Refining Group
9376 State Rt. 800 North
Mineral City, OH 44656

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

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

Ohio EPA DAPC, Southeast District Office
2195 Front Street
Logan, OH 43138
(740)385-8501

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s))listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

Authorization (continued)

Permit Number: P0107872
Permit Description: Renewal permit for a crude oil loading rack and two bulk storage tanks and administrative modification of installation permits to incorporate federally enforceable restrictions on VOC emissions to avoid Title V requirements

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

Emissions Unit ID:	**J001**
Company Equipment ID:	Railcar Loading
Superseded Permit Number:	06-4966
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T001**
Company Equipment ID:	Tank 1
Superseded Permit Number:	06-4966
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T002**
Company Equipment ID:	T002
Superseded Permit Number:	06-08353
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement.Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

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

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

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

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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

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

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

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

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

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

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

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

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting[1] a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

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

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

[1]Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

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

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

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

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

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

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

B. Facility-Wide Terms and Conditions

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

   a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

      (1) None.

   b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

      (1) 2.a), 3.a), 4.a), 5.a) and 6.a)

2. Applicable Emissions Limitations and/or Control Requirements

   a)

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
(1)	OAC rule 3745-31-05(D) (Synthetic minor restriction to avoid Title V requirements)	Volatile organic compound (VOC) emissions from all sources at the facility (emissions units J001 and T001-T004) shall be less than 99.0 tons per rolling, 12-month period. See 3.a) below.

3. Operational Restrictions

   a) The permittee has requested a federally enforceable limitation on VOC emissions for the purposes of limiting potential to emit to avoid Title V requirements. Therefore, the maximum throughput of crude oil for emissions units J001 and T001-T004, combined, shall not cause VOC emissions to exceed 99.0 tons as a rolling, 12-month summation, as demonstrated by the calculations in 6.a)(1). The existing emissions units have been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the hours of operation, upon issuance of this permit.

4. Monitoring and/or Recordkeeping Requirements

   a) The permittee shall collect and record the following information each month for emissions units J001 and T001-T004:

      (1) the throughput of crude oil through the loading rack and each tank, in gallons;

      (2) the loading loss from the loading rack, in pounds of VOC per 1,000 gallons, as calculated based on the equation in 6.a)(1)a.;

      (3) the average daily temperature for the month, in °R, using National Weather Service data (or equivalent);

(4) the temperature of the bulk liquid, in °R, as calculated based on the equation in 6.a)(1)a.;

(5) the true vapor pressure of the liquid loaded, in psia, using the calculated bulk liquid temperature and a linear interpolation from AP-42, Table 7.1-2 (11/06);

(6) the number of roof landing episodes for each tank;

(7) the VOC emissions, in tons, as calculated based on the equations in 6.a)(1)a. and b.; and

(8) the rolling, 12-month summation of the total VOC emissions, in tons, as calculated based on the equation in 6.a)(1)c.

5. Reporting Requirements

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

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

a. VOC emissions from all sources at the facility (emissions units J001 and T001-T004) shall be less than 99.0 tons per rolling, 12-month period.

(2) the probable cause of each deviation (excursion);

(3) any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and

(4) the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter. The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

6. Testing Requirements

a) Compliance with the emissions limitations and/or control requirements specified in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

(1) Emissions Limitation:
VOC emissions from all sources at the facility (emissions units J001 and T001-T004) shall be less than 99.0 tons per rolling, 12-month period.

Applicable Compliance Method:
Compliance with the rolling, 12-month emissions limitation for VOC shall be demonstrated by the following calculations based on the emissions estimation equations in AP-42 Chapter 5.2 (6/08) and AP-42 Section 7.1.3.2 (11/06) and the information collected pursuant to the recordkeeping requirements in 4.a) of this permit.

a. Monthly Loading Rack VOC Emissions

$X = (G)(L_L)$ X 1 ton/2,000 lbs

where:

X = tons of VOC emissions per month from the loading rack;
G= monthly throughput of crude oil through the loading rack, in gallons; and
L_L = monthly VOC loading loss, in pounds of VOC per 1,000 gallons of liquid loaded, calculated based on the following equation:

$L_L = 12.46$ X SPM/T_β

where:

L_L = loading loss, in lb VOC/1,000 gallons of liquid loaded;
S = saturation factor for crude oil of 0.6 from AP-42 Table 5.2-1 (6/08);
P = true vapor pressure of liquid loaded, in psia; liner interpolation from AP-42 Table 7.1-2 (11/06);
M = molecular weight of vapors of 50 lb/lb-mole from AP-42 Table 7.1-2 (11/06); and
T_β = temperature of bulk liquid, in °R (°F + 459.67), as calculated based on Equation 1-28 of AP-42 Chapter 7.1 (11/06) where T_{AA} = the average daily ambient temperature for the month in °R (based on National Weather Service data, or equivalent) and the tank paint solar absorptance factor of 0.89 (dimensionless) from AP-42 Table 7.1-6 (11/06) for green paint in good condition.

b. Monthly Tank VOC Emissions

i. Normal tank operations:

Y = ∑ VOC emissions per month from each tank (EUs T001-T004) during normal operation, as calculated using the following equations:

$L_T = (L_R + L_{WD} + L_F + L_D)$ X 1 ton/2,000 lbs

where:

L_T = total loss in tons per month;
L_R = rim seal loss in lbs/month; as calculated based on Equation 2-2 from AP-42 Chapter 7.1 (11/06);
L_{WD} = withdrawal loss in lbs/month; as calculated based on Equation 2-4 from AP-42 Chapter 7.1 (11/06);

L_F = deck fitting loss in lbs/month; as calculated based on Equation 2-5 from AP-42 Chapter 7.1 (11/06); and
L_D = deck seam loss in lbs/month; as calculated based on Equation 2-9 from AP-42 Chapter 7.1 (11/06).

ii. Roof landing episodes:

Z = ∑ VOC emissions per month from each tank (EUs T001-T004) during roof landings, as calculated using the following equations:

$$\sum_{i=1}^{N} L_{TL} \times 1 \text{ ton}/2{,}000 \text{ lbs}$$

where:

N =number of roof landing episodes during the month; and
$L_{TL} = L_{SL} + L_{FL}$

where:

L_{TL} = total losses during roof landing, lb per landing episode;
L_{SL} = standing idle losses during roof landing, lb per landing episode, as calculated based on Equation 2-16 from AP-42 Chapter 7.1 (11/06); and
L_{FL} = filling losses during roof landing, lb per landing episode, as calculated based on Equation 2-26 from AP-42 Chapter 7.1 (11/06).

c. Total VOC Emissions (per rolling, 12-month period)

$$\sum_{i=1}^{N} (X) + (Y) + (Z) \text{ is} \leq 99.0 \text{ tons VOC, as a rolling 12-month summation}$$

where:

N = months in the rolling, 12-month period.

7. Miscellaneous Requirements

a) In addition to limiting the facility-wide potential to emit for VOC emissions, the operational restrictions in 3.a) above have the practical effect of limiting emissions of hazardous air pollutants (HAPs) from the facility to below the major source thresholds of 10 TPY (highest individual HAP) and 25 TPY (total HAPs). Therefore, additional monitoring, recordkeeping or reporting requirements are not necessary to ensure that the major source thresholds for individual and total HAPs are not exceeded.

8. Emissions units T001 and T002 contained in this permit are subject to 40 CFR Part 60, Subpart Kb. The complete NSPS requirements, including the NSPS General Provisions, may be accessed via the internet from the Electronic Code of Federal Regulation (e-CFR) website http://ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

C. Emissions Unit Terms and Conditions

1. J001, Railcar Loading

Operations, Property and/or Equipment Description:

12-arm uncontrolled railcar loading rack installed in 1985; administrative modification of PTI No. 06-4966 issued on February 5, 1997 to update the VOC emissions factor used to calculate VOC emissions, correct BAT requirements and add air toxics requirements for hexane that were omitted from the original PTI

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. d)(1)-(4) and e)(3)

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. b)(1)b.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Volatile organic compound (VOC) emissions shall not exceed 402.96 pounds per hour. The annual emissions limitation required by this rule is equivalent to the requirements of OAC rule 3745-31-05(D).
b.	OAC rule 3745-31-05(D) (Synthetic minor restriction to avoid Title V requirements)	See Section B.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The federally enforceable permit-to-install and operate (FEPTIO) application for emissions unit J001 was evaluated based on the actual materials and the design parameters of the emissions units' exhaust system, as specified by the permittee. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to these emissions units 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 using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:

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

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

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

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

c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "24" hours per day and "7" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):

TLV (ug/m^3)/10 x 8/24 x 5/7 = 4 TLV/(24 X 7) = MAGLC

d. The following summarizes the results of dispersion modeling for the "worst case" toxic contaminant:

Toxic Contaminant: hexane (toluene, m-xylenes)

TLV (mg/m3): 176.24 (hexane)

Maximum Hourly Emission Rate (lbs/hr): 1.59 (hexane)

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,241.86

MAGLC (ug/m3): 4,196.19

The permittee has demonstrated that emissions of hexane from emissions unit J001 are 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).

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

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

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

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

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

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

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

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

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

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

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

e) Reporting Requirements

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

(3) The permittee shall include 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, in the annual Permit Evaluation Report (PER). If no changes to the emissions, emissions unit(s), or the exhaust stack have been made, then the report shall include a statement to this effect.

f) Testing Requirements

(1) Compliance with the emissions limitations and/or control requirements specified in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:
VOC emissions shall not exceed 402.96 pounds per hour.

Applicable Compliance Method:
Compliance with the short-term emissions limitation shall be demonstrated by the following one-time calculation based on a maximum crude oil throughput of 153,216 gallons per hour, a maximum true vapor pressure of 3.77 psia, and a maximum temperature of bulk liquid loaded of 536.24 °R:

X (lb/hr) = (G/1,000 gallons)(L_L)

where:

X = pounds of VOC emissions per hour;
G= maximum hourly crude oil throughput of the loading rack of 153,216 gallons, and
L_L = maximum hourly VOC loading loss of 2.63 pounds of VOC per 1,000 gallons of liquid loaded, calculated based on the following equation:

$L_L = 12.46 \times SPM/T_\beta$

where:

L_L = loading loss, in lb VOC/1,000 gallons of liquid loaded;
S = saturation factor for crude oil of 0.6 from AP-42 Table 5.2-1 (6/08);
P = maximum true vapor pressure of liquid loaded of 3.77 psia; linear interpolation from AP-42 Table 7.1-2 (11/06);
M = molecular weight of vapors of 50 lb/lb-mole from AP-42 Table 7.1-2 (11/06); and
T_β = maximum temperature of bulk liquid of 536.24 °R; based on Equation 1-28 of AP-42 Chapter 7.1 (11/06) where T_{AA} = the highest average daily ambient temperature in °R (based on National Weather Service data, or equivalent) and the tank paint solar absorptance factor of 0.89 (dimensionless) from AP-42 Table 7.1-6 (11/06) for green paint in good condition.

g) Miscellaneous Requirements

(1) None.

2. T001, Tank 1

Operations, Property and/or Equipment Description:

672,000 gallon crude oil storage tank with an internal floating roof installed in 1985 and a maximum annual throughput of 115,455,670 gallons (51.6% of facility-wide potential throughput); administrative modification of PTI No. 06-4966 issued on February 5, 1997 to update the VOC emissions factor used to calculate VOC emissions and add the monitoring, recordkeeping and reporting requirements of NSPS Subpart Kb that were omitted from the original PTI

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. b)(1)b.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Fugitive volatile organic compound (VOC) emissions shall not exceed 1.31 tons per year. The requirements of this rule include compliance with 40 CFR Part 60, Subpart Kb and OAC rule 3745-21-09(L).
b.	OAC rule 3745-31-05(D) (Synthetic minor restriction to avoid Title V requirements)	See Section B.2.a).
c.	OAC rule 3745-21-09(L)	The requirements of this rule are equivalent to the requirements of 40 CFR Part 60, Subpart Kb, except as identified in d)(1) and e)(3) below.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
d.	40 CFR Part 60, Subpart Kb (40 CFR 60.110b – 60.117b) [In accordance with 40 CFR 60.110b(a), this emissions unit is a storage vessel with a capacity greater than 75 m^3 (19,815 gallons) that is used to store volatile organic liquids for which construction, reconstruction or modification is commenced after July 23, 1984.]	See b)(2)a. and b. and c)(1) below.
e.	40 CFR Part 60, Subpart A (40 CFR 60.1-19)	General Provisions

(2) Additional Terms and Conditions

a. Owners or operators may choose to comply with 40 CFR part 65, Subpart C, to satisfy the requirements of 60.112b through 60.117b for storage vessels that are subject to this subpart that meet the specifications in paragraphs (e)(1)(i) and (ii) of this section. When choosing to comply with 40 CFR Part 65, Subpart C, the monitoring requirements of 60.116b(c), (e), (f)(1), and (g) still apply. Other provisions applying to owners or operators who choose to comply with 40 CFR Part 65 are provided in 40 CFR 65.1.

b. Owners or operators who choose to comply with 40 CFR Part 65, Subpart C, must also comply with 60.1, 60.2, 60.5, 60.6, 60.7(a)(1) and (4), 60.14, 60.15, and 60.16 for those storage vessels. All sections and paragraphs of Subpart A of this part that are not mentioned in this paragraph (e)(2) do not apply to owners or operators of storage vessels complying with 40 CFR Part 65, Subpart C, except that provisions required to be met prior to implementing 40 CFR Part 65 still apply. Owners and operators who choose to comply with 40 CFR Part 65, Subpart C, must comply with 40 CFR Part 65, Subpart A.

c) Operational Restrictions

(1) The permittee shall comply with the applicable restrictions required under 40 CFR Part 60, Subpart Kb, including the following sections:

60.112b(a)(1)	Equip each storage vessel with a fixed roof in combination with an internal floating roof.
60.112b(a)(1)(i)	Ensure the internal floating roof is resting or floating on the liquid surface, except as provided in the rule.

60.112b(a)(1)(ii)(B)	Equip the internal floating roof with two seals mounted above the other to form a continuous closure that completely covers the space between the wall of the tank and the edge of the internal floating roof.
60.112b(a)(iii)	Ensure each opening in the noncontact internal floating roof, except for automatic bleeder vents and rim space vents, provides a projection below the liquid service.
60.112b(a)(iv)	Ensure each opening in the internal floating roof, except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells and stub drains, is equipped with a cover or lid maintained in a closed position except when the device is in actual use. Each cover or lid must be equipped with a gasket, and covers on each acess hatch and automatic gauge float well shall be bolted except when in use.
60.112b(v)	Equip automatic bleeder vents with a gasket and ensure the vents are closed at all times except when the roof is being floated off or being landed on the roof leg supports.
60.112b(vi)	Equip rim space vents with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
60.112b(vii)	Ensure each penetration of the internal floating roof for the purpose of sampling is a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
60.112b(viii)	Ensure each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof has a flexible fabric sleeve seal or a gasketed sliding cover.

60.112b(ix)	Ensure each penetration of the internal floating roof that allows for passage of a ladder has a gasketed sliding cover.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain a record of any period of time the fixed roof tank does not comply with the requirements of OAC rule 3745-21-09(L)(1).

(2) The permittee shall comply with the applicable monitoring and recordkeeping requirements required under 40 CFR Part 60, Subpart Kb, including the following sections:

60.113b(a)(1)	Visually inspect the internal floating roof, the primary seal, and the secondary seal, prior to filling and repair any holes tears or other openings before filling the storage vessel.
60.113b(a)(3) and (a)(4) or (a)(2)	Visually inspect the storage vessel as specified in paragraph (a)(4) at least every five years or visually inspect the internal floating roof and the primary and secondary seals through manholes and roof hatches once every 12 months after the initial fill and either empty the tank or take any necessary corrective action within 45 days unless a 30-day extension is requested.
60.115b(a)(2)	Maintain a record of each inspection performed as required by 60.113b(a)(1) – (a)(4) that identifies the storage vessel and includes the inspection date and conditions observed.
60.116b(a)	Maintain copies of all records required by 40 CFR Part 60, Subpart Kb for a period of two years, except that records required by 60.116b(b) must be kept for the life of the storage vessel.
60.116b(b)	Maintain records showing the dimensions of the storage vessel and analysis of the capacity of the storage vessel.

60.116b(c)	Maintain records of the volatile organic liquid (VOL) stored, the period of storage, and the maximum true vapor pressure of the VOL during the respective storage period.
60.116b(e)	Determine the true vapor pressure using available data on storage temperature as determined pursuant to 60.116b(e)(1)-(e)(3).
60.7(b)	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility and any malfunction of the air pollution control equipment.

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

(3) The permittee shall notify the director (the appropriate Ohio EPA district office or local air agency) of any noncompliance with the design and operating requirements of OAC rule 3745-21-09(L)(1) within 30 days of the occurrence.

(4) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 60, Subpart Kb, including the following sections:

60.113b(a)(5)	Notify the Administrator in writing at least 30 days prior to the filling of each storage vessel for which an inspection is required by paragraphs (a)(1) or (a)(4), except as provided in the rule.
60.7(a) and 60.115b(a)(1)	Initial notification of the date construction of the affected facility commenced and the actual date of initial startup of the affected facility. Attach a report that describes the

	control equipment and certifies that the control equipment meets the specifications of 60.112b(a)(1) and 60.113b(a)(1).
60.115b(a)(3)	Furnish a report to the Administrator within 30 days of detecting any of the conditions outlined in 60.113b(a)(2) during the annual visual inspection conducted pursuant to 60.113b(a)(2), if applicable.
60.115b(a)(4)	Furnish a report to the Administrator within 30 days of an inspection conducted pursuant to 60.113b(a)(3) where holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control requirement defects listed in 60.113b(a)(3)(ii) are found. Each report shall identify the storage vessel, the reason it did not meet the specifications of 60.113b(a)(1) or (a)(3), and list each repair made, if applicable.

f) Testing Requirements

(1) Compliance with the emissions limitations and/or control requirements specified in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:
Fugitive VOC emissions shall not exceed 1.31 tons per year.

Applicable Compliance Method:
The annual emissions limitation for VOC is based upon the maximum tank throughput rate assuming no more than 51.6% of total available throughput of the facility is loaded from this emissions unit (maximum potential per the permittee's application), physical characteristics of the tank, crude oil properties and site-specific weather condition information provided in the permittee's application and the emissions estimation equations in AP-42 Section 7.1.3.2 (11/06). Compliance with the annual emissions limitation shall be demonstrated by the following equations:

Normal tank operations:

X = annual VOC emissions for normal operations as calculated using the following equation:

$L_T = (L_R + L_{WD} + L_F + L_D)$ X 1 ton/2,000 lbs

where:

L_T = total loss in tons per year;
L_R = rim seal loss in lbs/year; as calculated based on Equation 2-2 from AP-42 Chapter 7.1 (11/06);
L_{WD} = withdrawal loss in lbs/year; as calculated based on Equation 2-4 from AP-42 Chapter 7.1 (11/06);
L_F = deck fitting loss in lbs/year; as calculated based on Equation 2-5 from AP-42 Chapter 7.1 (11/06); and
L_D = deck seam loss in lbs/year; as calculated based on Equation 2-9 from AP-42 Chapter 7.1 (11/06).

Roof landing episodes:

Y = annual VOC emissions from roof landings as calculated using the following equation:

$$\sum_{i=1}^{N} L_{TL}$$

where:

N = number of roof landing episodes during the year (potential to emit assumes 0); and
L_{TL} = $L_{SL} + L_{FL}$

where:

L_{TL} = total losses during roof landing, lb per landing episode;
L_{SL} = standing idle losses during roof landing, lb per landing episode, as calculated based on Equation 2-16 from AP-42 Chapter 7.1 (11/06); and
L_{FL} = filling losses during roof landing, lb per landing episode, as calculated based on Equation 2-26 from AP-42 Chapter 7.1 (11/06).

Total VOC emissions:

VOC (tons per year) = X + Y

g) Miscellaneous Requirements

(1) None.

3. T002, Tank 2

Operations, Property and/or Equipment Description:

630,000 gallon crude oil storage tank with an internal floating roof installed on 3/17/09 and a maximum annual throughput of 108,239,690 gallons (48.4% of facility-wide potential throughput); administrative modification of PTI No. 06-08353 issued on October 30, 2007 to update the VOC emissions factor used to calculate VOC emissions, correct the BAT requirements and update the monitoring, recordkeeping and reporting requirements of NSPS Subpart Kb

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. b)(1)b.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	Fugitive volatile organic compound (VOC) emissions shall not exceed 1.24 tons per year. The requirements of this rule include compliance with the requirements of OAC rule 3745-21-09(L) and 40 CFR Part 60, Subpart Kb. See b)(2)a. below.
b.	OAC rule 3745-31-05(D) (Synthetic minor restriction to avoid Title V requirements)	See Section B.2.a).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)b. below.
d.	OAC rule 3745-21-09(L)	The requirements of this rule are equivalent to the requirements of 40 CFR Part 60, Subpart Kb, except as identified in d)(1) and e)(3) below.
e.	40 CFR Part 60, Subpart Kb (40 CFR 60.110b – 60.117b) [In accordance with 40 CFR 60.110b(a), this emissions unit is a storage vessel with a capacity greater than or equal to 75 m^3 (19,813 gallons) that is used to store volatile organic liquids (VOL) for which construction, reconstruction or modification commenced after July 23, 1984.]	See b)(2)c. and d. and c)(1) below.
e.	40 CFR Part 60, Subpart A (40 CFR 60.1-19)	General Provisions

(2) Additional Terms and Conditions

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

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

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC emissions from this air contaminant source since the calculated annual emission rate for VOC is less than 10 tons/yr taking into account the federally enforceable rule requirement to install and operate floating roof tanks and comply with the vapor pressure limitation under NSPS Subpart Kb and OAC rule 3745-21-09(L).

c. Owners or operators may choose to comply with 40 CFR part 65, Subpart C, to satisfy the requirements of 60.112b through 60.117b for storage vessels that are subject to this subpart that meet the specifications in paragraphs (e)(1)(i) and (ii) of this section. When choosing to comply with 40 CFR Part 65, Subpart C, the monitoring requirements of 60.116b(c), (e), (f)(1), and (g) still apply. Other provisions applying to owners or operators who choose to comply with 40 CFR Part 65 are provided in 40 CFR 65.1.

d. Owners or operators who choose to comply with 40 CFR Part 65, Subpart C, must also comply with 60.1, 60.2, 60.5, 60.6, 60.7(a)(1) and (4), 60.14, 60.15, and 60.16 for those storage vessels. All sections and paragraphs of Subpart A of this part that are not mentioned in this paragraph (e)(2) do not apply to owners or operators of storage vessels complying with 40 CFR Part 65, Subpart C, except that provisions required to be met prior to implementing 40 CFR Part 65 still apply. Owners and operators who choose to comply with 40 CFR Part 65, Subpart C, must comply with 40 CFR Part 65, Subpart A.

c) Operational Restrictions

(1) The permittee shall comply with the applicable restrictions required under 40 CFR Part 60, Subpart Kb, including the following sections:

60.112b(a)(1)	Equip each storage vessel with a fixed roof in combination with an internal floating roof.
60.112b(a)(1)(i)	Ensure the internal floating roof is resting or floating on the liquid surface, except as provided in the rule.
60.112b(a)(1)(ii)(B)	Equip the internal floating roof with two seals mounted above the other to form a continuous closure that completely covers the space between the wall of the tank and the edge of the internal floating roof.
60.112b(a)(iii)	Ensure each opening in the noncontact internal floating roof, except for automatic bleeder vents and rim space vents, provides a projection below the liquid service.
60.112b(a)(iv)	Ensure each opening in the internal floating roof, except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells and stub drains, is equipped with a cover or lid maintained

	in a closed position except when the device is in actual use. Each cover or lid must be equipped with a gasket, and covers on each acess hatch and automatic gauge float well shall be bolted except when in use.
60.112b(v)	Equip automatic bleeder vents with a gasket and ensure the vents are closed at all times except when the roof is being floated off or being landed on the roof leg supports.
60.112b(vi)	Equip rim space vents with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
60.112b(vii)	Ensure each penetration of the internal floating roof for the purpose of sampling is a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
60.112b(viii)	Ensure each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof has a flexible fabric sleeve seal or a gasketed sliding cover.
60.112b(ix)	Ensure each penetration of the internal floating roof that allows for passage of a ladder has a gasketed sliding cover.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain a record of any period of time the fixed roof tank does not comply with the requirements of OAC rule 3745-21-09(L)(1).

(2) The permittee shall comply with the applicable monitoring and recordkeeping requirements required under 40 CFR Part 60, Subpart Kb, including the following sections:

60.113b(a)(1)	Visually inspect the internal floating roof, the primary seal, and the secondary seal, prior to filling and repair any holes tears or other openings before filling the

	storage vessel.
60.113b(a)(3) and (a)(4) or (a)(2)	Visually inspect the storage vessel as specified in paragraph (a)(4) at least every five years or visually inspect the internal floating roof and the primary and secondary seals through manholes and roof hatches once every 12 months after the initial fill and either empty the tank or take any necessary corrective action within 45 days unless a 30-day extension is requested.
60.115b(a)(2)	Maintain a record of each inspection performed as required by 60.113b(a)(1) – (a)(4) that identifies the storage vessel and includes the inspection date and conditions observed.
60.116b(a)	Maintain copies of all records required by 40 CFR Part 60, Subpart Kb for a period of two years, except that records required by 60.116b(b) must be kept for the life of the storage vessel.
60.116b(b)	Maintain records showing the dimensions of the storage vessel and analysis of the capacity of the storage vessel.
60.116b(c)	Maintain records of the volatile organic liquid (VOL) stored, the period of storage, and the maximum true vapor pressure of the VOL during the respective storage period.
60.116b(e)	Determine the true vapor pressure using available data on storage temperature as determined pursuant to 60.116b(e)(1)-(e)(3).
60.7(b)	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility and any malfunction of the air pollution control equipment.

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

(3) The permittee shall notify the director (the appropriate Ohio EPA district office or local air agency) of any noncompliance with the design and operating requirements of OAC rule 3745-21-09(L)(1) within 30 days of the occurrence.

(4) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 60, Subpart Kb, including the following sections:

60.113b(a)(5)	Notify the Administrator in writing at least 30 days prior to the filling of each storage vessel for which an inspection is required by paragraphs (a)(1) or (a)(4), except as provided in the rule.
60.7(a) and 60.115b(a)(1)	Initial notification of the date construction of the affected facility commenced and the actual date of initial startup of the affected facility. Attach a report that describes the control equipment and certifies that the control equipment meets the specifications of 60.112b(a)(1) and 60.113b(a)(1).
60.115b(a)(3)	Furnish a report to the Administrator within 30 days of detecting any of the conditions outlined in 60.113b(a)(2) during the annual visual inspection conducted pursuant to 60.113b(a)(2), if applicable.
60.115b(a)(4)	Furnish a report to the Administrator within 30 days of an inspection conducted pursuant to 60.113b(a)(3) where holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control requirement defects listed in 60.113b(a)(3)(ii) are found. Each report

	shall identify the storage vessel, the reason it did not meet the specifications of 60.113b(a)(1) or (a)(3), and list each repair made, if applicable.

f) Testing Requirements

(1) Compliance with the emissions limitations and/or control requirements specified in b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:
Fugitive VOC emissions shall not exceed 1.24 tons per year.

Applicable Compliance Method:
The annual emissions limitation for VOC is based upon the maximum tank throughput rate assuming no more than 48.4% of total available throughput of the facility is loaded from this emissions unit (maximum potential per the permittee's application), physical characteristics of the tank, crude oil properties and site-specific weather condition information provided in the permittee's application and the emissions estimation equations in AP-42 Section 7.1.3.2 (11/06). Compliance with the annual emissions limitation shall be demonstrated by the following equations:

Normal tank operations:

X = annual VOC emissions for normal operations as calculated using the following equation:

$L_T = (L_R + L_{WD} + L_F + L_D)$ X 1 ton/2,000 lbs

where:

L_T = total loss in tons per year;
L_R = rim seal loss in lbs/year; as calculated based on Equation 2-2 from AP-42 Chapter 7.1 (11/06);
L_{WD} = withdrawal loss in lbs/year; as calculated based on Equation 2-4 from AP-42 Chapter 7.1 (11/06);
L_F = deck fitting loss in lbs/year; as calculated based on Equation 2-5 from AP-42 Chapter 7.1 (11/06); and
L_D = deck seam loss in lbs/year; as calculated based on Equation 2-9 from AP-42 Chapter 7.1 (11/06).

Roof landing episodes:

Y = annual VOC emissions from roof landings as calculated using the following equation:

$$\sum_{i=1}^{N} L_{TL}$$

where:

N = number of roof landing episodes during the year (potential to emit assumes 0); and

$L_{TL} = L_{SL} + L_{FL}$

where:

L_{TL} = total losses during roof landing, lb per landing episode;

L_{SL} = standing idle losses during roof landing, lb per landing episode, as calculated based on Equation 2-16 from AP-42 Chapter 7.1 (11/06); and

L_{FL} = filling losses during roof landing, lb per landing episode, as calculated based on Equation 2-26 from AP-42 Chapter 7.1 (11/06).

Total VOC emissions:

VOC (tons per year) = X + Y

g) Miscellaneous Requirements

(1) None.