



Environmental  
Protection Agency

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

5/12/2011

Mr. Dayu Zhang  
Sunoco Partners Marketing & Terminals LP  
PO BOX 1014  
Toledo, OH 43697

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0857040961  
Permit Number: P0105780  
Permit Type: Renewal  
County: Montgomery

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install and Operate (PTIO) for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the permit. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, Dayton Daily News. A copy of the public notice and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc) by clicking the "Issued Air Pollution Control Permits" link. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

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

and Regional Air Pollution Control Agency  
117 South Main Street  
Dayton, OH 45422-1280

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on issuing a final permit-to-install will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Regional Air Pollution Control Agency at (937)225-4435.

Sincerely,

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

Cc: U.S. EPA Region 5 Via E-Mail Notification  
RAPCA; Indiana; Kentucky

Certified Mail

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





## Permit Strategy Write-Up

1. Check all that apply:

Synthetic Minor Determination

Netting Determination

2. Source Description:

Buckeye Terminals LLC – Dayton Terminal, 0857040257, is a bulk fuel terminal. Fuel is received at the terminal via pipeline and stored in numerous above-ground storage tanks. Fuel is loaded into tanker trucks for distribution to local gasoline dispensing facilities. The facility consists of the following emissions units:

J001 - Loading Rack

P002 - Air Stripper

T001 - Gasoline Tank 12

T002 - Gasoline Tank 13

T003 - Gasoline Tank 14

T004 - Gasoline Tank 15

T005 - Gasoline Tank 16

T006 - Gasoline Tank 20

T007 - Gasoline Tank 21

T008 - Diesel Fuel Tank 22

T009 - Kerosene Tank 34

T010 - Gasoline Tank 37

T011 - Additive Tank 38

T012 - Ethanol Tank 40

Z001 - Ethanol Tank 18

Z002 - Ethanol Tank 19

Z003 - Piping Component Fugitives

Z004 - Ethanol Tank 35

Z005 - Ethanol Tank 36

Z006 - Heating Oil Tank 1

Z007 - Heating Oil Tank 2

Z008 - Oil / Water Separator

3. Facility Emissions and Attainment Status:

The facility is located in Montgomery County, which is in attainment for all criteria pollutants except PM<sub>2.5</sub>, which is classified as basic nonattainment.

4. Source Emissions:

Prior to issuance of this FEPTIO, facility-wide potential emissions for VOC were 482.57 TPY, combined HAP potential emissions were 31.56 TPY and individual HAP potential emissions were 7.38 TPY. Facility-wide potential emissions for all other criteria pollutants are under 100 TPY.



5. Conclusion:

The facility has applied for this FEPTIO to request federally enforceable terms and conditions in order to limit VOC and HAP emissions beneath major source thresholds. After obtaining this FEPTIO, facility-wide combined HAP potential emissions are 24.9 TPY and the potential individual HAP emissions are 9.9 TPY. Facility-wide VOC emissions are 87.35 TPY. VOC and HAP emissions have been limited through a restriction on the amount of gasoline loaded, a limit on the VOC emission rate from the loading rack's vapor recovery unit (VRU) and through the inclusion of appropriate monitoring, record keeping and reporting requirements.

6. Please provide additional notes or comments as necessary:

None

7. Total Permit Allowable Emissions Summary (for informational purposes only):

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC	60.0
Single HAP	9.9
Combined HAP	24.9

PUBLIC NOTICE  
Issuance of Draft Air Pollution Permit-To-Install and Operate  
Sunoco Partners Marketing & Terminals LP

Issue Date: 5/12/2011

Permit Number: P0105780

Permit Type: Renewal

Permit Description: Renewal synthetic minor permit for the tanker truck loading rack at this bulk fuel terminal.

Facility ID: 0857040961

Facility Location: Sunoco Partners Marketing & Terminals LP  
1708 Farr Drive,  
Dayton, OH 45404

Facility Description: Petroleum Bulk Stations and Terminals

The Director of the Ohio Environmental Protection Agency, 50 West Town Street, Columbus Ohio has issued a draft action of an air pollution control, federally enforceable permit-to-install and operate (PTIO) for the facility at the location identified above on the date indicated. Comments concerning this draft action, or a request for a public meeting, must be sent in writing no later than thirty (30) days from the date this notice is published. All comments, questions, requests for permit applications or other pertinent documentation, and correspondence concerning this action must be directed to Michael Maleski at Regional Air Pollution Control Agency, 117 South Main Street, Dayton, OH 45422-1280 or (937)225-4435. The permit can be downloaded from the Web page: [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc)



**Ohio**

**Environmental  
Protection Agency**

**DRAFT**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
Sunoco Partners Marketing & Terminals LP**

Facility ID:	0857040961
Permit Number:	P0105780
Permit Type:	Renewal
Issued:	5/12/2011
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance





Division of Air Pollution Control
Permit-to-Install and Operate
for
Sunoco Partners Marketing & Terminals LP

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## Authorization

Facility ID: 0857040961  
Application Number(s): A0038400  
Permit Number: P0105780  
Permit Description: Renewal synthetic minor permit for the tanker truck loading rack at this bulk fuel terminal.  
Permit Type: Renewal  
Permit Fee: \$0.00 *DO NOT send payment at this time, subject to change before final issuance*  
Issue Date: 5/12/2011  
Effective Date: To be entered upon final issuance  
Expiration Date: To be entered upon final issuance  
Permit Evaluation Report (PER) Annual Date: To be entered upon final issuance

This document constitutes issuance to:

Sunoco Partners Marketing & Terminals LP  
1708 Farr Drive  
Dayton, OH 45404

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

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

Regional Air Pollution Control Agency  
117 South Main Street  
Dayton, OH 45422-1280  
(937)225-4435

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: P0105780

Permit Description: Renewal synthetic minor permit for the tanker truck loading rack at this bulk fuel terminal.

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

<b>Emissions Unit ID:</b>	<b>J001</b>
Company Equipment ID:	Truck Loading
Superseded Permit Number:	P0092749
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 taken by Ohio EPA on the renewal application.

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

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

**7. What reports must I submit under this permit?**

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

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

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions 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 Regional Air Pollution Control Agency 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<sup>1</sup> 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.

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<sup>1</sup>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, 3, 4, 5, 6 and 7.
2. The emissions of hazardous air pollutants (HAPs), as identified in Section 112(b) of Title III of the Clean Air Act, from all emissions units at this facility shall not exceed 9.9 tons/year for any single HAP and 24.9 tons/year for any combination of HAPs, as rolling, 12-month summations.
3. The annual throughput of gasoline shall not exceed 315,000,000 gallons per rolling, 12-month period. The annual throughput of distillate fuels (i.e., diesel fuel, No. 2 fuel oil and kerosene) shall not exceed 180,000,000 gallons per rolling, 12-month period.
4. The permittee shall maintain monthly records of the following information for the loading rack (OEPA emissions unit ID J001):
  - a) the total throughput of gasoline, in gallons;
  - b) the total throughput of distillate fuels, in gallons;
  - c) the rolling, 12-month gasoline throughput rate, in gallons; and,
  - d) the rolling, 12-month distillate fuels throughput rate, in gallons.
5. The permittee shall submit quarterly deviation (excursion) reports that identify:
  - a) all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
    - (1) the rolling, 12-month gasoline throughput rate, in gallons, for emissions unit J001; and
    - (2) the rolling, 12-month distillate fuels throughput rate, in gallons, for emissions unit J001.
  - b) the probable cause of each deviation (excursion);
  - c) any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
  - d) the magnitude and duration of each deviation (excursion).



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

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

6. The permittee shall submit annual reports that summarize the following information:
  - a) the total actual annual gasoline throughput rate for emissions unit J001, in gallons;
  - b) the total actual annual distillate fuels throughput rate for emissions unit J001, in gallons;
  - c) the total actual annual individual HAP emissions for the entire facility, in tons; and
  - d) the total actual annual combined HAPs emissions for the entire facility, in tons.

These reports shall be submitted by April 15 of each year. This requirement may be satisfied by including and identifying the specific emissions data from these emissions units in the annual Fee Emission Report submitted electronically through Ohio EPA Air Services.

7. Compliance with the emission limitations in 2 above shall be determined in accordance with the following methods:

- a) Emission Limitations:

Facility-wide individual HAP emissions shall not exceed 9.9 tons per rolling, 12-month period.

Facility-wide combined HAP emissions shall not exceed 24.9 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the annual HAP emissions limitations is based on compliance with the gasoline and distillate throughput limitations and compliance with the VOC emissions limitation for emissions unit J001 of 0.29 pound of VOC per 1000 gallons (35 milligrams of VOC per liter) of gasoline loaded into the delivery vessel, as included in C.1.

8. The Ohio EPA has determined that this facility is subject to the requirements of an area source MACT/GACT rule that the Ohio EPA does not have the delegated authority to implement. Although Ohio EPA has determined that an area source MACT (also known as the GACT) may apply, at this time Ohio EPA does not have the authority to enforce this standard. Instead, U.S. EPA has the authority to enforce this standard. Please be advised that all requirements associated with these rules are in effect and are enforceable by U.S. EPA. For more information on the area source rules, please refer to the follow U.S. EPA website: <http://www.epa.gov/ttn/atw/area/arearules.html>.

9. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart BBBBBB for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities.

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



1. J001, Truck Loading

Operations, Property and/or Equipment Description:

Tanker truck loading rack with carbon adsorption vapor recovery unit

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)a, c)(1), d)(1), e)(1), e)(2) and f)(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.

Table with 3 columns: Identifier, Applicable Rules/Requirements, and Applicable Emissions Limitations/Control Measures. Row a: OAC rule 3745-31-05(D) (Synthetic Minor to avoid Title V and MACT) with VOC emissions limitations. Row b: OAC rule 3745-21-09(Q) with emission limitation comparison. Row c: OAC rule 3745-72-03(A) with reference to b)(2)a.

- (2) Additional Terms and Conditions
  - a. During the low R.V.P. control period (time period beginning June 1 and ending September 15 of each year), no refiner, importer, distributor, reseller, carrier, retailer or wholesale purchaser-consumer shall sell, offer for sale, dispense, supply, offer for supply, or transport (for use in a low R.V.P. control area) gasoline that has a R.V.P. exceeding 7.8 P.S.I.
- c) Operational Restrictions
  - (1) The annual throughput of gasoline shall not exceed 315,000,000 gallons per rolling, 12-month period. The annual throughput of distillate fuels (i.e., diesel fuel, No. 2 fuel oil and kerosene) shall not exceed 180,000,000 gallons per rolling, 12-month period.
  - (2) The loading rack shall be equipped with a vapor collection system whereby during the transfer of gasoline to any delivery vessel:
    - a. all vapors displaced from the delivery vessel during loading are vented only to the vapor collection system; and
    - b. the pressure in the vapor collection system is maintained between minus 6 and plus 18 inches of water gauge pressure.
  - (3) The loading rack shall be equipped with a vapor control system whereby:
    - a. all vapors collected by the vapor collection system are vented to the vapor control system; and
    - b. any liquid gasoline returned to a stationary storage tank from the vapor control system is free of entrained air to the extent possible with good engineering design.
  - (4) The loading rack shall be provided with a means to prevent drainage of gasoline from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.
  - (5) All gasoline loading lines and vapor lines shall be equipped with fittings which are vapor tight.
  - (6) The permittee shall not permit gasoline to be spilled, discarded into sewers, stored in open containers, or handled in any other manner that would result in evaporation.
  - (7) The permittee shall repair any leak from the vapor collection system or vapor control system within 15 days of detection, where the system is employed to meet the requirements of paragraph (Q)(1) of OAC rule 3745-21-09 and when such leak is equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

- (8) Each time that the physical custody or title of low R.V.P. gasoline changes hands (excluding when gasoline is sold or dispensed for use in motor vehicles at a retail outlet or wholesale purchaser-consumer facility), the transferor shall provide to the transferee, on or in addition to normal bills of lading, invoices, and the like, a document containing information regarding that shipment. This document shall accompany every shipment of gasoline after it has been dispensed or sold. The document shall contain, at a minimum, the following information:
- a. The date of transfer.
  - b. The volume of the gasoline being transferred.
  - c. If the gasoline is ethanol blended, the percentage by volume of ethanol in the gasoline.
  - d. The location of the gasoline at the time of the transfer.
  - e. A statement certifying that the gasoline has an R.V.P. of 7.8 P.S.I. or less, except as provided in rule 3745-72-07 of the Administrative Code.
- (9) No person in the gasoline distribution network may sell, dispense or transfer low R.V.P. gasoline intended for use in a low R.V.P. control area without transfer documents that accurately contain the information listed in c)(8).
- (10) A terminal operator who sells or dispenses gasoline intended for use in a low R.V.P. control area during the low R.V.P. control period may not accept gasoline into the terminal or dispense gasoline unless all of the following requirements are met:
- a. Transfer documentation that accompanies the low R.V.P. gasoline contains the information listed in c)(8).
  - b. The terminal owner or operator conducts a quality assurance program including, but not limited to, periodic product sampling and testing in accordance with 40 CFR 80.8 and OAC rule 3745-72-08.
  - c. Low R.V.P. gasoline is segregated from conventional gasoline.
  - d. Clearly marked documents accompany the conventional gasoline labeling it as "conventional gasoline, not for sale to the ultimate consumer in a low R.V.P. control area."
- (11) During the low R.V.P. control period, no refiner, importer, ethanol blender, carrier, distributor, reseller, or person may sell, offer for sale, dispense, supply or offer for supply gasoline for use in a low R.V.P. control area that is represented as low R.V.P. gasoline if the gasoline does not meet the definition of low R.V.P. gasoline and is not accompanied by the statement required in c)(8)e.
- (12) Gasoline containing ethanol may exceed the R.V.P. limit specified in b)(2)a by no more than one P.S.I. if the gasoline meets all of the following requirements:

- a. The gasoline must contain denatured, anhydrous ethanol.
  - b. The concentration of the anhydrous ethanol, excluding the required denaturing agent, must be at least nine per cent and no more than ten per cent, by volume, of the gasoline.
  - c. The ethanol content of the gasoline shall be determined by use of one of the testing methodologies specified in 40 CFR 80.8. The maximum ethanol content of gasoline shall not exceed any applicable waiver conditions under section 211(f)(4) of the Clean Air Act.
- (13) Each invoice, loading ticket, bill of lading, delivery ticket, and other document that accompanies a shipment of gasoline containing ethanol shall contain a statement that the gasoline being shipped contains ethanol and shall list the volume percentage of ethanol in that gasoline.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain monthly records of the following information for this emissions unit:
    - a. the total throughput of gasoline, in gallons;
    - b. the total throughput of distillate fuels, in gallons;
    - c. the rolling, 12-month gasoline throughput rate, in gallons; and
    - d. the rolling, 12-month distillate fuels throughput rate, in gallons.
  - (2) The permittee shall properly install, operate, and maintain equipment to monitor the pressure in the vapor collection system, while the emissions unit is in operation, to demonstrate compliance with the pressure range established in OAC rule 3745-21-09(Q)(1)(a)(ii). The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
  - (3) The permittee shall repair any leak from the vapor collection system and/or vapor control system, that is equal to or greater than 100% of the lower explosive limit (LEL) as propane (as determined under OAC 3745-21-10(K)), within 15 days of detection. The permittee shall maintain a record of each such leak that is not repaired within the 15 days.
  - (4) In order to maintain compliance with the applicable emission limitation contained in this permit, the acceptable average hourly VOC concentration (in volume percent propane) of the exhaust gases from the VRU shall not be more than 20 percent greater than the average concentration measured by the organic monitoring device during the most recent performance test that demonstrated this emissions unit was in compliance. Until compliance testing can be conducted, the acceptable average hourly VOC concentration (in volume percent propane) of the exhaust gases from the VRU shall not be more than 2.23 volume percent propane (vol% propane).

- (5) The permittee shall properly install, operate, and maintain a continuous organic monitoring device and recorder that measures and records the VOC concentration in the exhaust gases from the VRU when the emissions unit is in operation, including periods of startup and shutdown. The organic monitoring device and recorder shall be capable of accurately measuring the VOC concentration. The organic monitoring device and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee.

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

- a. all hours, when the emissions unit controlled by the VRU was in operation, during which the average VOC concentration in the exhaust gases was more than the value indicated in d)(4) above; and
  - b. a log of the downtime for the capture (collection) system, VRU, and monitoring equipment when the associated emissions unit was in operation.
- (6) Whenever the monitored average VOC concentration of the exhaust gases from the VRU deviates from the limit/range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:
- a. the date and time the deviation began;
  - b. the magnitude of the deviation at that time;
  - c. the date the investigation was conducted;
  - d. the name(s) of the personnel who conducted the investigation; and
  - e. the findings and recommendations.

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

- a. a description of the corrective action;
- b. the date corrective action was completed;
- c. the date and time the deviation ended;
- d. the total period of time (in minutes) during which there was a deviation;

- e. the VOC concentration of the exhaust gases from the VRU immediately after the corrective action was implemented; and
- f. the name(s) of the personnel who performed the work.

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

- (7) The permittee shall maintain the data required by the VRU manufacturer's recommended daily operating guidelines on a daily basis when the emissions unit is in operation, excluding Saturdays, Sundays and holidays. The permittee shall submit a copy of the operating guidelines to the Regional Air Pollution Control Agency within 90 days of the issuance of this permit. Any subsequent changes to these operating guidelines shall be mutually agreeable to the permittee and the Regional Air Pollution Control Agency.
- (8) The permittee shall implement, within 90 days of the issuance of this permit, a preventive maintenance program (PMP) for the vapor recovery unit (VRU) which has been approved by the Regional Air Pollution Control Agency. The PMP shall include an annual inspection of the VRU by a qualified individual trained in the operation and inspection of carbon adsorption/absorption systems. The resultant report shall be maintained on site and shall be made available during subsequent inspections by the Regional Air Pollution Control Agency.
- (9) Low R.V.P. control area terminal operators shall maintain records on low R.V.P. gasoline containing all of the following information:
  - a. The volume of each shipment or truckload of gasoline leaving the terminal.
  - b. If the fuel is blended with ethanol, the type and percentage by volume of ethanol used in each shipment or truckload of gasoline leaving the terminal.
  - c. The volume, name and address of the owner of every shipment of gasoline leaving the terminal and a statement indicating that the gasoline has an R.V.P. of 7.8 P.S.I. or less.
  - d. The destination of each tank truck sale or batch of gasoline.
  - e. The date of the sale or transfer of every shipment of gasoline leaving the terminal.
  - f. The results of any tests for R.V.P. of the gasoline sold or transferred and who performed the tests.
- (10) Each person in the gasoline distribution network shall maintain records containing compliance information as required in this rule. These records shall be retained by the regulated parties for at least two years from the date of creation or receipt of the records and shall be kept on site for a minimum of ninety days. For the remainder of the

retention period, the records may be kept at a centralized location within the state of Ohio.

e) Reporting Requirements

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

- a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
  - i. the rolling, 12-month gasoline throughput restriction of 315,000,000;
  - ii. the rolling, 12-month distillate fuels throughput restriction of 180,000,000;
  - iii. each period of time (start time and date, and end time and date) when the average VOC concentration of the exhaust gases from the VRU was outside of the limit specified in d)(4); and
  - iv. any period of time (start time and date, and end time and date) when the emissions unit was in operation and the process emissions were not vented to the VRU.
- b. the probable cause of each deviation (excursion);
- c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
- d. the magnitude and duration of each deviation (excursion).

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

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

(2) The permittee shall submit annual reports that summarize the following information:

- a. the total actual annual VOC emissions, in tons;
- b. the total actual annual gasoline throughput, in gallons; and,
- c. the total actual annual distillate fuels throughput, in gallons.

These reports shall be submitted by April 15 of each year. This requirement may be satisfied by including and identifying the specific emissions data from these emissions

units in the annual Fee Emission Report submitted electronically through Ohio EPA Air Services.

- (3) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA 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.

f) Testing Requirements

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

- a. Emission Limitation:

- VOC emissions from the VRU shall not exceed 0.29 pound of VOC per 1000 gallons (35 milligrams of VOC per liter) of gasoline (i.e., gasoline, additive, and interface/transmix) loaded into the delivery vessel.

- Applicable Compliance Method

- Compliance shall be determined through the performance testing as described in f)(2).

- b. Emission Limitation:

- VOC emissions from this emissions unit shall not exceed 60.0 tons per rolling, 12-month period.

- Applicable Compliance Method:

- Compliance with the annual VOC emissions limitations is based on compliance with the gasoline and distillate throughput limitations and compliance with the VOC emissions limitation of 0.29 pound of VOC per 1000 gallons (35 milligrams of VOC per liter) of gasoline loaded into the delivery vessel.

- (2) During calendar year 2012, the permittee shall conduct or have conducted an emission test(s) for this emissions unit in order to demonstrate continuing compliance with the allowable VOC emission limitation of 0.29 pound of VOC per 1,000 gallons of gasoline loaded and to establish the acceptable average hourly VOC concentration (in volume percent propane) of the exhaust gases from the VRU as measured by the organic monitoring device [per d)(4) above].

The emission test methods and procedures are those outlined in OAC rule 3745-21-10(E), i.e., a minimum of one 6-hour test, during which at least 300,000 liters (79,260 gallons) of gasoline are loaded. (The test should be conducted at the maximum gasoline throughput possible.)

Not later than 60 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Regional Air Pollution Control Agency. The "Intent to

Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Regional Air Pollution Control Agency's refusal to accept the results of the emission test(s).

Personnel from the Regional Air Pollution Control Agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Regional Air Pollution Control Agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the RAPCA. The permittee shall include in the report the operating parameters as required in paragraph three of f)(2).

g) Miscellaneous Requirements

- (1) None.