



12/4/2014

Certified Mail

Alyssa Laird  
Sunoco., Midwest Terminal  
1734 Old Route 66  
Delmont, PA 15626

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	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: 0125040580  
Permit Number: P0117782  
Permit Type: Renewal  
County: Franklin

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](http://www.ohioairquality.org/clean_air)

## **How to give us feedback on your permitting experience**

Please complete a survey at [www.epa.ohio.gov/survey.aspx](http://www.epa.ohio.gov/survey.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](http://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, Central District Office at (614)728-3778 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Erica R. Engel-Ishida, Manager  
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-CDO



**FINAL**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
Sunoco., Midwest Terminal**

Facility ID:	0125040580
Permit Number:	P0117782
Permit Type:	Renewal
Issued:	12/4/2014
Effective:	12/4/2014
Expiration:	12/4/2019





**Division of Air Pollution Control**  
**Permit-to-Install and Operate**  
for  
Sunoco., Midwest Terminal

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**Final Permit-to-Install and Operate**  
Sunoco., Midwest Terminal  
**Permit Number:** P0117782  
**Facility ID:** 0125040580  
**Effective Date:** 12/4/2014

## Authorization

Facility ID: 0125040580  
Application Number(s): A0051292  
Permit Number: P0117782  
Permit Description: FEPTIO renewal permit for bulk gasoline terminal loading rack and storage tanks.  
Permit Type: Renewal  
Permit Fee: \$0.00  
Issue Date: 12/4/2014  
Effective Date: 12/4/2014  
Expiration Date: 12/4/2019  
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Sunoco., Midwest Terminal  
3866 Fisher Rd  
Columbus, OH 43228

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

The above named entity is hereby granted 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

  
Craig W. Butler  
Director



## Authorization (continued)

Permit Number: P0117782  
 Permit Description: FEPTIO renewal permit for bulk gasoline terminal loading rack and storage tanks.

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:             | Gasoline Truck Loading     |
| Superseded Permit Number:         | P0110299                   |
| General Permit Category and Type: | Not Applicable             |
| <b>Emissions Unit ID:</b>         | <b>T007</b>                |
| Company Equipment ID:             | Storage Tank #501 Gasoline |
| Superseded Permit Number:         | 01-2943                    |
| General Permit Category and Type: | Not Applicable             |
| <b>Emissions Unit ID:</b>         | <b>T010</b>                |
| Company Equipment ID:             | Storage Tank #401 Gasoline |
| Superseded Permit Number:         | P0110254                   |
| General Permit Category and Type: | Not Applicable             |

**Group Name: Tanks**

<b>Emissions Unit ID:</b>	<b>T001</b>
Company Equipment ID:	Storage Tank #201 Gasoline
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>T002</b>
Company Equipment ID:	Storage Tank #301 Gasoline
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>T003</b>
Company Equipment ID:	Storage Tank #302 LSD
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



**Final Permit-to-Install and Operate**  
Sunoco., Midwest Terminal  
**Permit Number:** P0117782  
**Facility ID:** 0125040580  
**Effective Date:** 12/4/2014

## **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. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. 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 of this permit 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 [DO/LAA] 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 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 emission 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.



**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.



**Final Permit-to-Install and Operate**  
Sunoco., Midwest Terminal  
**Permit Number:** P0117782  
**Facility ID:** 0125040580  
**Effective Date:** 12/4/2014

## **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., 7., 8. and 9.
2. The emissions of volatile organic compounds (VOC) from J001, T001, T002, T003, T007, T010, all de minimis emissions units as defined in OAC rule 3745-15-05, and all registration status and/or permit exempt/permit-by-rule emissions units pursuant to OAC rule 3745-31-03, combined, shall not exceed 99 tons per rolling, 12-month period.
3. The emissions of hazardous air pollutants (HAPs), as identified in Section 112(b) of Title III of the Clean Air Act, from J001, T001, T002, T003, T007, T010, all de minimis emissions units as defined in OAC rule 3745-15-05, and all registration status and/or permit exempt/permit-by-rule emissions units pursuant to OAC rule 3745-31-03, combined, shall not exceed 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, based upon rolling, 12-month summations of the HAP emissions.
4. The annual throughput of gasoline (i.e., gasoline, ethanol, and gasoline additives) from J001 shall not exceed 335,000,000 gallons per rolling, 12-month period.
5. The annual throughput of distillates (i.e., diesel and diesel additives) from J001 shall not exceed 50,000,000 gallons per rolling, 12-month period.
6. The permittee shall on a monthly basis maintain the following information for the entire facility:
  - a) the total throughput of gasoline, in gallons per month;
  - b) the total throughput of distillates, in gallons per month;
  - c) the total VOC emissions, in tons per month;
  - d) the individual HAP emissions, in tons per month;
  - e) the combined HAP emissions, in tons per month;
  - f) the rolling, 12-month summation of the total gasoline throughput from J001, in gallons;
  - g) the rolling, 12-month summation of the total distillate throughput from J001, in gallons;
  - h) the rolling, 12-month summation of total VOC emissions, in tons;



- i) the rolling, 12-month summation of individual HAP emissions, in tons; and
  - j) the rolling, 12-month summation of combined HAP emissions, in tons.
7. 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) all exceedances of the rolling, 12-month gasoline throughput limitation;
    - (2) all exceedances of the rolling, 12-month distillate throughput limitation;
    - (3) all exceedances of the rolling, 12-month VOC emission limitation;
    - (4) all exceedances of the rolling, 12-month individual HAP emission limitation; and
    - (5) all exceedances of the rolling, 12-month combined HAP emission limitation.
  - 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).
  - 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 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 (Ohio EPA, Central District Office).

8. Emission Limitation

The emissions of volatile organic compounds (VOC) from J001, T001, T002, T003, T007, T010, all de minimis emissions units as defined in OAC rule 3745-15-05, and all registration status and/or permit exempt/permit-by-rule emissions units pursuant to OAC rule 3745-31-03, combined, shall not exceed 99 tons per rolling, 12-month period.

Applicable Compliance Method

Compliance with this emission limitation shall be determined in accordance with the recordkeeping requirements in B.6 above and as follows:



- a) VOC emissions from gasoline and distillate loading shall be determined in accordance with the monitoring and recordkeeping requirements in Section C- Emissions Unit Terms and Conditions for J001.
- b) VOC emissions from the storage tanks shall be determined using the most recent version of the U.S. EPA's TANKS program or equivalent method for working and standing losses and AP-42, Section 7.1 for landing losses.
- c) VOC emissions from valves, fittings and pumps (emissions unit P801) shall be determined using U.S. EPA's "Protocol for Equipment Leak Emission Estimates" (11/95).

9. Emission Limitations

The emissions of hazardous air pollutants (HAPs), as identified in Section 112(b) of Title III of the Clean Air Act, from J001, T001, T002, T003, T007, T010, all de minimis emissions units as defined in OAC rule 3745-15-05, and all registration status and/or permit exempt/permit-by-rule emissions units pursuant to OAC rule 3745-31-03, combined, shall not exceed 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, based upon rolling, 12-month summations of the HAP emissions.

Applicable Compliance Method

Compliance with these emission limitations shall be determined in accordance with the recordkeeping requirements in B.6 above and as follows:

- a) For individual and combined HAP emissions from gasoline loading, storage tanks, valves, fittings and pumps, multiply the VOC emissions by the following HAP emission factors:  
  
benzene – 18 pounds of benzene emissions per ton of VOC emissions;  
ethyl benzene - 2 pounds of ethylbenzene emissions per ton of VOC emissions;  
hexane - 32 pounds of hexane emissions per ton of VOC emissions;  
toluene - 26 pounds of toluene emissions per ton of VOC emissions;  
isooctane – 16 pounds of isooctane emissions per ton of VOC emissions; and  
xylene - 10 pounds of xylene emissions per pound of VOC emissions.
- b) For individual and combined HAP emissions from distillate loading, storage tanks, valves, fittings and pumps, multiply the VOC emissions by the following HAP emission factors:  
  
benzene – 4.4 pounds of benzene emissions per ton of VOC emissions;  
ethyl benzene – 6.2 pounds of ethylbenzene emissions per ton of VOC emissions;  
hexane – 0.92 pound of hexane emissions per ton of VOC emissions;  
toluene – 47.8 pounds of toluene emissions per ton of VOC emissions;  
isooctane – 0.0 pound of isooctane emissions per ton of VOC emissions; and  
xylene – 114.6 pounds of xylene emissions per pound of VOC emissions.

- 10. The Ohio EPA has determined that this facility is subject to the requirements of 40 CFR Part 63 Subpart BBBBBB National Emission Standards for Hazardous Air Pollutants (NESHAP) for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Area Sources. Although Ohio EPA has determined that this Generally Available Control Technology NESHAP (GACT) applies, at this time



**Final Permit-to-Install and Operate**

Sunoco., Midwest Terminal

**Permit Number:** P0117782

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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 this rule are in effect and shall be enforced by U.S. EPA. For more information on the area source rules, please refer to the following U.S. EPA website: <http://www.epa.gov/ttn/atw/area/arearules.html>.



**Final Permit-to-Install and Operate**  
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## **C. Emissions Unit Terms and Conditions**



**1. J001, Gasoline Truck Loading**

**Operations, Property and/or Equipment Description:**

3-bay truck loading rack for gasoline and distillates loading controlled by a vapor recovery unit (VRU) with a back-up vapor combustion unit (VCU)

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)c., b)(2)b., b)(2)c., b)(2)d., d)(3) through d)(13), e)(2), f)(1) and f)(2)

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 3745-21-09(Q)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule OAC rule 3745-31-05(D).
b.	OAC rule 3745-31-05(A)(3)	The requirements established pursuant to this rule are equivalent to the requirements of 40 CFR Part 63, Subpart BBBBBB.  The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule OAC rule 3745-31-05(D).
c.	OAC rule 3745-31-05(D) (Federally enforceable limitations to avoid Title V and MACT)	Limitation applicable to the loading of gasoline:  0.29 pound of VOC per 1,000 gallons (35 milligrams of VOC per liter) of gasoline



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		loaded into the gasoline delivery vessel.  The total VOC emissions from loading gasoline and distillates in emissions unit J001 shall not exceed 61.8 tons per rolling 12-month period (including fugitive emissions).  See b)(2)a., b)(2)c. and b)(2)d. below.  See 2. through 9. of Section B - Facility-Wide Terms and Conditions.
d.	40 CFR Part 60, Subpart XX	The mass emission limitation for VOC established pursuant to this rule is equivalent to the mass emission limitation established pursuant to OAC rule 3745-31-05(D).
e.	40 CFR Part 60, Subpart A	See b)(2)e. below.

(2) Additional Terms and Conditions

- a. The term “gasoline” refers to gasoline, ethanol, gasoline additives and transmix. The term “distillate” refers to diesel, kerosene, jet fuel and diesel additives.
- b. All gasoline loading shall be controlled by a vapor recovery unit (VRU) or a vapor combustion unit (VCU).
- c. The annual throughput of gasoline (i.e., gasoline, ethanol, and gasoline additives) from J001 shall not exceed 335,000,000 gallons per rolling, 12-month period.
- d. The annual throughput of distillates (i.e., diesel and diesel additives) from J001 shall not exceed 50,000,000 gallons per rolling, 12-month period.
- e. The permittee shall comply with the applicable requirements of the General Provisions of the Standards of Performance for New Stationary Sources, 40 CFR Part 60, Subpart A (60.1-60.19) as specified in 40 CFR Part 60, Subpart XX.

c) Operational Restrictions

- (1) 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.
  - (2) 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.
  - (3) 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.
  - (4) All gasoline loading lines and vapor lines shall be equipped with fittings which are vapor tight.
  - (5) 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.
  - (6) 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.
  - (7) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 60, Subpart XX.
- d) **Monitoring and/or Recordkeeping Requirements**
  - (1) 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).
  - (2) 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 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.
  - (3) The permittee shall maintain the vapor control units (i.e., the VRU and the VCU) in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s).
  - (4) The permittee shall implement a preventive maintenance program (PMP) for the vapor control units. The PMP shall include an annual inspection of the vapor control units by a



qualified individual. The PMP and resultant report shall be maintained on site and shall be made available to Ohio EPA staff upon request.

- (5) The permittee shall maintain the data required by the vapor control unit manufacturer's recommended daily operating guidelines on a daily basis. A copy of the daily operating guidelines checklist shall be made available to Ohio EPA staff upon request.
- (6) When the vapors collected by the vapor collection system are vented to the VCU, the pilot flame in the flare's pilot light burner shall be maintained at all times during the loading of gasoline and distillates.
- (7) The permittee shall properly install, operate, and maintain a heat-sensing device (e.g. ultraviolet or thermocouple) to indicate the presence of a flame when the vapors collected by the vapor collection system are vented to the VCU. The monitoring device shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals. Each business day when the vapors collected by the vapor collection system are vented to the VCU, the operator shall verify that the pilot flame and flame sensor are working during loading operations.
- (8) The permittee shall collect and record the following information each day when the vapors collected by the vapor collection system are vented to the VCU:
  - a. the results of the daily pilot inspections;
  - b. descriptions of any failures of the flame detection system;
  - c. if a failure is detected, record the period of time when gasoline was loaded, until the system is repaired; and
  - d. a log of the downtime for the capture (collection) system, VCU, and monitoring equipment when the associated emissions unit(s) was/were in operation.
- (9) When the vapors collected by the vapor collection system are vented to the VRU, the average carbon adsorber exhaust gas VOC concentration shall not exceed 0.64% (as propane) for any 3-hour block of time.
- (10) The permittee shall properly install, operate, and maintain a continuous organic monitoring device and recorder that measures and records the VOC concentrations in the exhaust gases from the carbon adsorber when the vapors collected by the vapor collection system are vented to the VRU. The organic monitoring device and recorder shall be capable of satisfying the performance requirements specified in 40 CFR Part 60, Appendix B, Performance Specification 8 or Performance Specification 9 and 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.
- (11) The permittee shall collect and record the following information each day when the vapors collected by the vapor collection system are vented to the VRU:



- a. all 3-hour blocks of time, when the emissions unit(s) controlled by the VRU was/were in operation, during which the average VOC concentration in the exhaust gases was more than 0.64% (as propane); and
  - b. a log of the downtime for the capture (collection) system, VRU, and monitoring equipment when the associated emissions unit(s) was/were in operation.
- (12) For the VRU, 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:

- f. a description of the corrective action;
- g. the date corrective action was completed;
- h. the date and time the deviation ended;
- i. the total period of time (in minutes) during which there was a deviation;
- j. the VOC concentration of the exhaust gases from the carbon adsorber immediately after the corrective action was implemented; and
- k. 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.

- (13) The permittee shall maintain monthly records of the following information:
- a. the total throughput of gasoline, in gallons;
  - b. the total throughput of distillates, in gallons;



- c. the VOC emissions from J001, in tons;
  - d. the rolling, 12-month summation of the total gasoline throughput from J001, in gallons
  - e. the rolling, 12-month summation of the total distillate throughput from J001, in gallons; and
  - f. the rolling, 12-month summation of VOC emissions from J001, in tons.
- (14) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 60, Subpart XX.
- e) Reporting Requirements
- (1) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the District Office or Local Air Agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.
  - (2) 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. all exceedances of the rolling, 12-month gasoline throughput limitation;
      - ii. all exceedances of the rolling, 12-month distillate throughput limitation;
      - iii. all exceedances of the rolling, 12-month VOC emission limitation;
      - iv. all periods during which the flare's pilot flame was not functioning properly when the vapors collected by the vapor collection system were vented to the VCU;
      - v. 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 exceeded



the acceptable limit when the vapors collected by the vapor collection system were vented to the VRU; and

- vi. 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 or VCU.
- 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 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 Central District Office).

- (3) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted 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.
- (4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 60, Subpart XX.

f) Testing Requirements

- (1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 6 months prior to the permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the VOC mass emission limitation of 0.29 pound of VOC per 1,000 gallons (35 milligrams of VOC per liter) of gasoline loaded into the gasoline delivery vessel in accordance with the procedures specified in OAC rule 3475-21-10(E).

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

- c. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Central District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to



submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Central District Office's refusal to accept the results of the emission test(s).

- d. Personnel from the Ohio EPA, Central District Office 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.
- e. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Central District Office 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 Ohio EPA, Central District Office.

(2) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation

Volatile organic compound (VOC) emissions shall not exceed 0.29 pound of VOC per 1,000 gallons (35 milligrams of VOC per liter) of gasoline loaded into the gasoline delivery vessel.

Applicable Compliance Method

Compliance with this emission limitation shall be demonstrated through the emission testing required in f)(1) above.

b. Emission Limitation

The total VOC emissions from loading gasoline and distillates in emissions unit J001 shall not exceed 61.8 tons per rolling 12-month period (including fugitive emissions).

Applicable Compliance Method

Compliance with this emission limitation shall be determined based upon the recordkeeping in d)(13) above and a summation of the stack and fugitive emissions from gasoline and distillate loading as follows:

- i. For stack emissions from gasoline loading, sum the monthly gasoline throughputs for the 12-month period then multiply this sum by the emissions factor established based upon the most recent emission test that demonstrated the emissions unit was in compliance (in pounds of VOC per 1,000 gallons gasoline loaded) and divide by 2,000 lb/ton.



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- ii. For fugitive emissions from gasoline loading, sum the monthly gasoline throughputs for the 12-month period then multiply this sum by the emission factor 0.10849 pound per 1,000 gallons of gasoline (13 mg/L) obtained from Appendix A of U.S. EPA's Gasoline Distribution Industry (Stage I) – Background Information for Promulgated Standards (11/94) and divide by 2,000 lb/ton.
  - iii. For stack and fugitive emissions from distillate loading, sum the distillate throughputs for the 12-month period then multiply this sum by the emission factor 0.014 pound of VOC per 1,000 gallons of fuel obtained from AP-42, Table 5.2-5 (1/95) and divide by 2,000 lb/ton.
- (3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 60, Subpart XX.
- g) Miscellaneous Requirements
- (1) None.



**2. Emissions Unit Group -Tanks: T001, T002 and T003**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
T001	817,664 Gallon Gasoline Storage Tank (#201) with Internal Floating Roof
T002	1,444,439 Gallon Gasoline Storage Tank (#301) with Internal Floating Roof
T003	1,153,572 Gallon Gasoline Storage Tank (#302) with Internal Floating Roof

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 3745-21-09(L)	See c)(1) below.
b.	OAC rule 3745-31-05(D) (Federally enforceable limitations to avoid Title V and MACT)	See 2. through 9. of Section B - Facility-Wide Terms and Conditions.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The permittee shall install the following control equipment and shall maintain tank vents, seals, and or covers as follows:

a. The fixed roof storage tank shall be equipped with an internal floating roof.



- b. The automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports.
- c. The rim vents, if present, shall be set to open or at the manufacturer's recommended setting when the roof is being floated off the roof leg supports.
- d. All openings, except stub drains, shall be equipped with a cover, seal, or lid which is to be in a closed position at all times except when in actual use for tank gauging or sampling.

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall maintain records of the following information for the fixed roof tank:
  - a. the types of petroleum liquids stored in the tank; and
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each petroleum liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

These records shall be maintained for at least 5 years and shall be made available to the director or his representative upon verbal or written request.

- (2) The permittee shall maintain a record of any period of time in which the automatic bleeder vents, rim vents, and all openings other than stub drains were not maintained as required in this permit and per the rules.

e) **Reporting Requirements**

- (1) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the District Office or Local Air Agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.
- (2) The permittee shall notify the director (the Ohio EPA, Central District Office) within 30 days of the occurrence, of any period of time in which the automatic bleeder vents, rim vents, and all openings other than stub drains were not maintained as required in this permit.



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- (3) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted 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 Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
    - a. None.
  
- g) Miscellaneous Requirements
  - (1) None.



**3. T007, Storage Tank #501 Gasoline**

**Operations, Property and/or Equipment Description:**

2,221,422 Gallon Gasoline Storage Tank (#501) with Internal Floating Roof

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(L)	The control requirements specified by this rule are less stringent than control requirements established pursuant to 40 CFR Part 60, Subpart Kb.
b.	OAC rule 3745-31-05(A)(3)	VOC emissions shall not exceed 5.5 tons per year.  The requirements of this rule also includes compliance with the requirements of 40 CFR Part 60, Subpart Kb and OAC rule 3745-21-09(L).
c.	OAC rule 3745-31-05(D) (Federally enforceable limitations to avoid Title V and MACT)	See 2. through 9. of Section B - Facility-Wide Terms and Conditions.
d.	40 CFR Part 60, Subpart Kb	See c)(1) below.



- (2) Additional Terms and Conditions
  - a. None.
- c) Operational Restrictions
  - (1) The permittee shall equip the storage vessel with a fixed roof in combination with an internal floating roof meeting the following specifications:
    - a. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
    - b. The internal floating roof shall be equipped with a mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
    - c. Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
    - d. 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 to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
    - e. Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
    - f. Rim space vents shall be equipped 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.
    - g. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
    - h. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.



- i. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall maintain records of the following information for the fixed roof tank:
  - a. the types of petroleum liquids stored in the tank; and
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each petroleum liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

These records shall be maintained for at least 5 years and shall be made available to the director or his representative upon verbal or written request.

- (2) The permittee shall maintain a record of any period of time in which the automatic bleeder vents, rim vents, and all openings other than stub drains were not maintained as required in this permit and per the rules.
- (3) The permittee shall maintain annual records of the VOC emissions, in tons.
- (4) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 60, Subpart Kb.

e) **Reporting Requirements**

- (1) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the District Office or Local Air Agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.
- (2) The permittee shall notify the director (the Ohio EPA, Central District Office) within 30 days of the occurrence, of any period of time in which the automatic bleeder vents, rim vents, and all openings other than stub drains were not maintained as required in this permit.
- (3) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted 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.

- (4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 60, Subpart Kb.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitations

VOC emissions shall not exceed 5.5 tons per year.

Applicable Compliance Method

Compliance shall be determined based upon the calculation of annual emissions using the most recent version of the U.S. EPA's TANKS program and/or the methods and formulas specified in AP-42, 5th Edition, Chapter 7.1, Organic Liquid Storage Tanks.

- (2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 60, Subpart Kb.

g) Miscellaneous Requirements

- (1) None.



**4. T010, Storage Tank #401 Gasoline**

**Operations, Property and/or Equipment Description:**

1,680,000 Gallon Gasoline Storage Tank (#401) with Internal Floating Roof

- 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. b)(1)e. and d)(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)d.
- 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 3745-21-09(L)	The control requirements specified by this rule are less stringent than control requirements established pursuant to 40 CFR Part 60, Subpart Kb.
b.	OAC rule 3745-31-05(A)(3)	VOC emissions shall not exceed 4.61 tons per year.  See b)(2)a. and b)(2)b. below.
c.	OAC rule 3745-31-05(A)(3)(a)(ii)	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 potential to emit is less than 10 tons per year.  See b)(2)c. below.
d.	OAC rule 3745-31-05(D) (Federally enforceable limitations to avoid Title V and MACT)	See 2. through 9. of Section B - Facility-Wide Terms and Conditions.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
e.	ORC 3704.03(F)(3)(c) and F(4) [Toxic Air Contaminant Statute]	See d)(3) below.
f.	40 CFR Part 60, Subpart Kb	See c)(1) below.

(2) Additional Terms and Conditions

- a. The annual VOC limitation was established to reflect the potential to emit for this emissions unit. It is not necessary to develop recordkeeping and/or reporting requirements to ensure compliance with this limitation.
- b. This Best Available Technology (BAT) emission limit applies until U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) into the Ohio State Implementation Plan (SIP).
- c. These requirements apply once U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.

c) Operational Restrictions

- (1) The permittee shall equip the storage vessel with a fixed roof in combination with an internal floating roof meeting the following specifications:
  - a. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
  - b. The internal floating roof shall be equipped with a mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
  - c. Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
  - d. 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 to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each



access hatch and automatic gauge float well shall be bolted except when they are in use.

- e. Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
- f. Rim space vents shall be equipped 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.
- g. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
- h. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
- i. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

d) **Monitoring and/or Recordkeeping Requirements**

- (1) The permittee shall maintain records of the following information for the fixed roof tank:
  - a. the types of petroleum liquids stored in the tank; and
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each petroleum liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

These records shall be maintained for at least 5 years and shall be made available to the director or his representative upon verbal or written request.

- (2) The permittee shall maintain a record of any period of time in which the automatic bleeder vents, rim vents, and all openings other than stub drains were not maintained as required in this permit and per the rules.
- (3) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because the increase in the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires a permittee to apply for and obtain a new or modified permit-to-install and operate prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause an increase of emissions of any toxic air contaminant above 1.0 ton per year may require the permittee to apply for and obtain a new permit-to-install and operate.
- (4) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 60, Subpart Kb.



e) Reporting Requirements

- (1) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the District Office or Local Air Agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.
- (2) The permittee shall notify the director (the Ohio EPA, Central District Office) within 30 days of the occurrence, of any period of time in which the automatic bleeder vents, rim vents, and all openings other than stub drains were not maintained as required in this permit.
- (3) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted 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.
- (4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 60, Subpart Kb.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation  
VOC emissions shall not exceed 4.61 tons per year.  
  
Applicable Compliance Method  
Compliance shall be determined in accordance with the methods and formulas specified in AP-42, 5th Edition, Chapter 7.1, Organic Liquid Storage Tanks or based upon the most recent version of the U.S. EPA's TANKS program.
- (2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 60, Subpart Kb.



**Final Permit-to-Install and Operate**

Sunoco., Midwest Terminal

**Permit Number:** P0117782

**Facility ID:** 0125040580

**Effective Date:** 12/4/2014

g) Miscellaneous Requirements

(1) None.