



State of Ohio Environmental Protection Agency

STREET ADDRESS:

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

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

MAILING ADDRESS:

P.O. Box 1049  
Columbus, OH 43216-1049

11/13/2008

Mr. GREG MOORE  
MARATHON PETROLEUM CO LLC  
539 S MAIN ST  
HES-TT&M ROOM 2624  
FINDLAY, OH 45840

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE  
Facility ID: 0448020033  
Permit Number: P0103762  
Permit Type: Renewal  
County: Lucas

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
Yes	MACT
Yes	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Dear Permit Holder:

Enclosed please find a final 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.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, [www.epa.state.oh.us/dapc](http://www.epa.state.oh.us/dapc), from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission  
309 South Fourth Street, Room 222  
Columbus, OH 43215

If you have any questions regarding this permit, please contact the Toledo Department of Environmental Services. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page [www.epa.state.oh.us/dapc](http://www.epa.state.oh.us/dapc).

Sincerely,

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

Cc: TDES

Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korleski, Director





**State of Ohio Environmental Protection Agency  
Division of Air Pollution Control**

**FINAL**

**Air Pollution Permit-to-Install and Operate  
for  
MARATHON PETROLEUM CO LLC**

Facility ID: 0448020033  
Permit Number: P0103762  
Permit Type: Renewal  
Issued: 11/13/2008  
Effective: 11/13/2008  
Expiration: 11/13/2013





State of Ohio Environmental Protection Agency  
Division of Air Pollution Control

**Air Pollution Permit-to-Install and Operate**  
for  
**MARATHON PETROLEUM CO LLC**

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**Final Permit-to-Install and Operate**  
**Permit Number:** P0103762  
**Facility ID:** 0448020033  
**Effective Date:** 11/13/2008

## Authorization

Facility ID: 0448020033  
Application Number(s): A0035756  
Permit Number: P0103762  
Permit Description: Renewal of Federally Enforceable State Operating Permit (FESOP)  
Permit Type: Renewal  
Permit Fee: \$0.00  
Issue Date: 11/13/2008  
Effective Date: 11/13/2008  
Expiration Date: 11/13/2013  
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15  
This document constitutes issuance to:

MARATHON PETROLEUM CO LLC  
4131 SEAMAN RD.  
OREGON, OH 43616

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:

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

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

Chris Korleski  
Director



## Authorization (continued)

Permit Number: P0103762  
Permit Description: Renewal of Federally Enforceable State Operating Permit (FESOP)

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

**Emissions Unit ID:** J001  
Company Equipment ID: Loading Racks/VCU  
Superseded Permit Number:  
General Permit Category and Type: Not Applicable

**Emissions Unit ID:** T001  
Company Equipment ID: Tank 55-5  
Superseded Permit Number:  
General Permit Category and Type: Not Applicable

**Emissions Unit ID:** T008  
Company Equipment ID: Tank 55-6  
Superseded Permit Number:  
General Permit Category and Type: Not Applicable

**Group Name: X001**

<b>Emissions Unit ID:</b>	<b>T002</b>
Company Equipment ID:	Tank 25-7
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>T003</b>
Company Equipment ID:	Tank 25-8
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

**Group Name: X002**

<b>Emissions Unit ID:</b>	<b>T016</b>
Company Equipment ID:	Tank T-2
Superseded Permit Number:	04-01274
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>T017</b>
Company Equipment ID:	Tank T-3
Superseded Permit Number:	04-01274
General Permit Category and Type:	Not Applicable



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**Facility ID:** 0448020033

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## **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 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 Toledo Department of Environmental Services 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



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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.



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

**Permit Number:** P0103762

**Facility ID:** 0448020033

**Effective Date:** 11/13/2008

## **B. Facility-Wide Terms and Conditions**



State of Ohio Environmental Protection Agency  
Division of Air Pollution Control

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

**Permit Number:** P0103762

**Facility ID:** 0448020033

**Effective Date:** 11/13/2008

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) None.



State of Ohio Environmental Protection Agency  
Division of Air Pollution Control

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

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**Effective Date:** 11/13/2008

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



**1. J001, Loading Racks/VCU**

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

Gasoline and distillate loading rack consisting of 2 loading bays. Lane 1 contains 6 loading arms and Lane 2 contains 7 loading arms. Gasoline and distillate loading losses are vented to an enclosed flare.

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) through f).

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	Volatile organic compound (VOC) emissions from the vapor control unit shall not exceed: 0.292 pound of VOC per thousand gallons of gasoline loaded; 0.002 pound of VOC per thousand gallons of distillate loaded; and 35.14 tons per year based upon a rolling, 12-month summation of the monthly emissions. See b)(2)a. and b)(2)b.
b.	OAC rule 3745-21-09(Q)	See b)(2)c.
c.	40 CFR Part 63 subpart R	Exempt - see b)(2)g.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
d.	40 CFR Part 63 subpart BBBB	The permittee shall comply with the applicable standards in this subpart no later than January 10, 2011.  See b)(2)d. and b)(2)e.
e.	40 CFR Part 63 subpart A	The permittee shall comply with the applicable requirements in this subpart no later than January 10, 2011.  See b)(2)d. and b)(2)f.

(2) Additional Terms and Conditions

- a. The potential emissions [as defined by OAC 3745-77-01(BB)] of hazardous air pollutants (HAP) from all emission units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall not exceed 9.9 tons per year for any single hazardous air pollutant (HAP) and 24.9 tons per year for any combination of HAP.
- b. The permittee may utilize an alternate vapor control device on a temporary basis to control emissions from the gasoline loading rack. Use of such a device may include, but not be limited to, service during extended periods of downtime due to malfunction or maintenance on the permanent unit. The above emission limitations apply to operation of any vapor control units.
- c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(D).
- d. Emissions unit J001 is subject to 40 CFR Part 63 subparts A and BBBB. The complete 40 CFR Part 63 requirements, including the General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Toledo Division of Environmental Services.
- e. The permittee shall comply with 40 CFR 63.11088 no later than January 10, 2011.
- f. Table 3 to 40 CFR Part 63 subpart BBBB shows which parts of the General Provisions apply to this emissions unit.
- g. The permittee is exempt from the requirements of 40 CFR Part 63 subpart R since the federally enforceable potential to emit for all emissions units at the facility combined is less than 10 tons per year of any individual HAP and less than 25 tons per year for any combination of HAP.



c) Operational Restrictions

- (1) The annual throughput for this emissions unit shall not exceed 240,000,000 gallons of gasoline and 100,000,000 gallons of distillates based upon a rolling, 12-month summation of the monthly throughputs.

[OAC rule 3745-31-05(D)]

- (2) The pilot flame in the flare's pilot light burner shall be maintained at all times during the loading of gasoline.

[OAC rule 3745-21-09(B)(4)(b)(x)]

- (3) 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 shall be vented only to the vapor collection system; and
- b. the pressure in the vapor collection system is maintained between minus six and plus eighteen inches of water gauge pressure.

[OAC rule 3745-21-09(Q)(1)(a)]

- (4) 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.

[OAC rule 3745-21-09(Q)(1)(b)]

- (5) 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.

[OAC rule 3745-21-09(Q)(1)(c)]

- (6) All gasoline loading lines and vapor lines shall be equipped with fittings which are vapor tight.

[OAC rule 3745-21-09(Q)(1)(d)]

- (7) 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.

[OAC rule 3745-21-09(Q)(2)]



d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the following information:
  - a. the total, individual throughputs of gasoline and distillates;
  - b. the rolling, 12-month summation of the total, individual throughputs for gasoline and distillates;
  - c. the monthly VOC emissions from all emissions units located at the facility;
  - d. the rolling, 12-month summation of the monthly VOC emissions from all emissions units located at the facility.

[OAC rule 3745-31-05(D)]

- (2) The permittee shall properly install, operate, and maintain a device to continuously monitor the pilot flame when the emissions unit is in operation. The monitoring device shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals. Each manned business day, the operator shall verify that the pilot flame and flame sensor are working during loading operations. The permittee shall operate and maintain the fail-safe system that immediately shuts down loading if the pilot flame does not ignite.

[OAC rule 3745-31-05(D)]

- (3) The permittee shall repair any leak from the vapor collection system or vapor control system, that is equal or greater than 100% of the LEL as propane (as determined by OAC rule 3745-21-10(K)), within 15 days of detection. The permittee shall maintain a record of each such leak that is not repaired within 15 days of detection.

[OAC rule 3745-21-09(Q)(3)]

- (4) 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 c)(3)b. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall operate and maintain the fail-safe system that immediately shuts down loading if the pressure range in the vapor collection system is not within the required range established in c)(3)b.

[OAC rule 3745-21-09(Q)(1)(a)(ii)]

- (5) The permittee shall maintain records of the facility's potential to emit for each individual hazardous air pollutant and for any combination of hazardous air pollutants by maintaining a formal up-to-date HAP emissions inventory from all HAP emissions units at the facility. The permittee shall maintain a record including methods, procedures, and assumptions supporting the calculations.

[OAC rule 3745-31-05(D)]



(6) The permittee shall collect and record the following information each manned business day:

- a. the pressure in the vapor collection system, i.e., the pressure in the vapor recovery line before entering the flare.

[OAC rule 3745-21-09(Q)(1)(a)(ii)]

(7) The permittee shall comply with the equipment leak inspection requirements of 40 CFR 63.11089 no later than January 10, 2011.

[40 CFR Part 63 subpart BBBB]B

(8) The permittee shall comply with the recordkeeping requirements of 40 CFR 63.11094 no later than January 10, 2011.

[40 CFR Part 63 subpart BBBB]B

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. any exceedance of the rolling 12-month throughput limits, along with the cause of each exceedance and an explanation of any corrective action taken to prevent similar exceedances;

- ii. all periods of time during which the pilot flame was not functioning properly or the flare was not maintained as required in this permit. The reports shall include the date, time, and duration of each such period and an explanation of any corrective action taken to prevent similar occurrences.

- iii. all days during which the pressure in the vapor collection system did not comply with the allowable range of minus 6 to plus 18 inches of water gauge pressure specified in c)(3)b. above. These reports shall include the date of each such period and an explanation of any corrective action taken to prevent similar occurrences.

- iv. any monthly record showing that the facility-wide HAP emissions exceeded 9.9 tons per year for any individual HAP, and/or 24.9 tons per year for any combination of HAPs, as rolling 12-month summations. The notification shall include a copy of such record.

- 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 (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and the thirty-first of October (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).

[OAC rule 3745-15-03(B)(1)(b)] and [OAC rule 3745-15-03(C)]

(2) Any leaks in the vapor collection system or vapor control system 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 of the Administrative Code, that are not repaired within 15 days after identification, shall be reported to the Toledo Division of Environmental Services within 30 days after the repair is completed. This report shall include the date the leak was detected and the date the leak was repaired.

[OAC 3745-21-09(Q)(3)]

(3) If the facility is in compliance with the requirements of 40 CFR Part 63 subpart BBBBBB at the time the Initial Notification (40 CFR 63.9(b)) is due, the Notification of Compliance Status under 40 CFR 63.11093(b) may be submitted in lieu of the Initial Notification.

[40 CFR 63.11093]

(4) The permittee shall comply with the reporting requirements of 40 CFR 63.11095 by no later than January 10, 2011.

[40 CFR Part 63 subpart BBBBBB]

(5) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation:

0.292 pound VOC per thousand gallons of gasoline loaded.



Applicable Compliance Method:

OAC rule 3745-21-10(E)

b. Emission Limitation:

0.002 pound VOC per thousand gallons of distillate loaded.

Applicable Compliance Method:

Compliance may be determined using emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Equation 1 of Section 5.2 dated 1/1995:

$$L = 12.46SPM(1-CE/100)/T$$

L = loading loss, pound VOC per 1,000 gallons loaded

S = saturation factor, 1

P = True vapor pressure of liquid, 0.012 psia

M = molecular weight of material loaded = 130

CE = percentage control efficiency, 0.9563

T = temperature of material loaded, 539.67 deg R

c. Emission Limitation:

35.14 tons VOC/year based on a rolling, 12-month summation of the monthly emissions

Applicable Compliance Method:

Sum the following products and divide by 2000 pounds per ton:

i. the product of the VOC emission factor from the latest stack test demonstrating compliance (pounds per 1000 gallons loaded) times the gallons, in thousands, of gasoline loaded per rolling, 12-month period; and

ii. the product of the VOC emission factor for distillate (0.002 pound per 1000 gallons loaded) times the gallons, in thousands, of distillate loaded per rolling, 12-month period.

d. Emission Limitation:

9.9 tons per year for any single HAP and 24.9 tons per year for any combination of HAP



Applicable Compliance Method:

For each individual HAP, multiply the following emission factors from the Gasoline Distribution Industry (Stage I) - Background Information for Proposed Standards Draft Report (Table 3-1 dated 1/1994) by the actual VOC emission rate (in tons per rolling, 12-month period) for all emissions units at the facility:

- i. 0.016 pound of hexane emissions per pound of VOC;
- ii. 0.009 pound of benzene emissions per pound of VOC;
- iii. 0.013 pound of toluene emissions per pound of VOC;
- iv. 0.008 pound of 2, 2, 4 trimethylpentane emissions per pound of VOC;
- v. 0.005 pound of xylene emissions per pound of VOC; and
- vi. 0.001 pound of ethylbenzene emissions per pound of VOC.

Sum the individual HAP emission rates calculated above to obtain the actual emissions for any combination of HAP.

- (2) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months after the effective date of this permit and within 12 months prior to permit renewal.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for VOC from gasoline loading, in pound of VOC per 1,000 gallons of gasoline loaded and the operational restriction for vapor tightness of the vapor collection and control system.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

The methods and procedures specified in OAC rule 3745-21-10(E) and OAC rule 3745-21-10(K) shall be used to demonstrate compliance.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. 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 Toledo Division of Environmental Services' refusal to accept the results of the emission test(s).

- f. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- g. 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 Toledo Division of Environmental Services 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 Toledo Division of Environmental Services.

- (3) The permittee shall comply with the testing and monitoring requirements of 40 CFR 63.11092 no later than January 10, 2011.

[40 CFR Part 63 subpart BBBB]B

- g) Miscellaneous Requirements

- (1) None.



**2. T001, Tank 55-5**

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

2,167,452 gallon internal floating roof storage tank

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. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(L)	The control requirements specified by this rule are less stringent than those specified by 40 CFR Part 60, Subpart Kb.
b.	40 CFR Part 60 subpart A	See b)(2)d.
c.	40 CFR Part 60 subpart Kb	See c)(1).
d.	40 CFR Part 63 subpart A	See b)(2)b.
e.	40 CFR Part 63 subpart R	Exempt - see b)(2)a.
f.	40 CFR Part 63 subpart BBBB	See b)(2)c.

(2) Additional Terms and Conditions

a. The permittee is exempt from the requirements of 40 CFR Part 63 subpart R since the federally enforceable potential to emit for all emissions units at the



facility combined is less than 10 tons per year of any individual HAP and less than 25 tons per year for any combination of HAP. The facility-wide federally enforceable HAP emission limitations are contained in Section C.1.

- b. Table 3 to 40 CFR Part 63 subpart BBBBBB shows which parts of the General Provisions apply to this emissions unit.
- c. The permittee shall comply with all applicable requirements of 40 CFR Part 63 subpart BBBBBB by no later than January 10, 2011. The permittee shall demonstrate compliance with 40 CFR Part 63 subpart BBBBBB by maintaining compliance with the requirements of 40 CFR Part 60 subpart Kb.

The complete 40 CFR Part 63 requirements, including the General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Toledo Division of Environmental Services.

- d. 40 CFR Part 60 subpart A provides applicability provisions, definitions, and other general provisions that are pertinent to emissions units affected by 40 CFR Part 60.

c) Operational Restrictions

(1) [60.112b(a)(1)]

The permittee shall equip the storage vessel with a fixed roof in combination with an internal floating roof meeting the following specifications:

- a. [60.112b(a)(1)(i)]  
 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. [60.112b(a)(1)(ii)]  
 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. [60.112b(a)(1)(iii)]  
 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. [60.112b(a)(1)(iv)]  
 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. [60.112b(a)(1)(v)]  
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. [60.112b(a)(1)(vi)]  
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. [60.112b(a)(1)(vii)]  
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. [60.112b(a)(1)(viii)]  
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. [60.112b(a)(1)(ix)]  
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 keep a record of the report submitted to the Toledo Division of Environmental Services (required by 40 CFR 60.115b(a)(1)) that describes that the control equipment meets the specifications of 40 CFR 60.112b(a)(1) [See c)] and 60.113b(a)(1) [See c)]. This record shall be kept for 5 years from the date of submittal.
- (2) [60.113b(a)(1)]  
The permittee shall visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the permittee shall repair the items before filling the storage vessel.
- (3) [60.113b(a)(2)]  
The permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is present) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be



repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Administrator in the inspection report required in 60.115b(a)(3) [see e)]. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

- (4) [60.113b(a)(4)]  
Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 60.113b(a)(2) [see d)].
- (5) The permittee shall keep copies of all reports and records required by 40 CFR Part 60 subpart Kb, for at least 5 years. The permittee shall meet the following requirements.  
[60.115b(a)(2)]  
The permittee shall keep a record of each inspection performed as required by 60.113b(a) [see d)]. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).
- (6) The permittee shall maintain records of the following information:
  - a. the types of petroleum liquids stored in the tank;
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute; and
- (7) The permittee shall keep copies of all records required by 40 CFR Part 60 subpart Kb, except for the record required by 60.116b(b) [see d)], for at least 5 years. The record required by 60.116b(b) [see paragraph below] will be kept for the life of the source.
- (8) [60.116b(b)]  
The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.
- (9) [60.116b(c)]  
The permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure (to determine the maximum true vapor pressure, see 40 CFR 60.116b(e) [see g)]) of that VOL during the respective storage period.



e) Reporting Requirements

- (1) [60.113b(a)(5)]  
Notify the Toledo Division of Environmental Services (TDOES) in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 60.113b(a)(1) and (a)(4) [see d)] to afford the TDOES the opportunity to have an observer present. If the inspection required by 60.113b(a)(4) [see d)] is not planned and the permittee could not have known about the inspection 30 days in advance or refilling the tank, the permittee shall notify the TDOES at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the TDOES at least 7 days prior to the refilling.
- (2) [60.115b(a)(3)]  
If any of the conditions described in 40 CFR 60.113b(a)(2) [see d)] are detected during the annual visual inspection required by 40 CFR 60.113b(a)(2) [see d)], the permittee shall submit a report to the Toledo Division of Environmental Services within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and the date the repair was made.
- (3) If the facility is in compliance with the requirements of 40 CFR Part 63 subpart BBBBBB at the time the Initial Notification (40 CFR 63.9(b)) is due, the Notification of Compliance Status under 40 CFR 63.11093(b) may be submitted in lieu of the Initial Notification.  
  
[40 CFR 63.11093]
- (4) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

- (1) None.

g) Miscellaneous Requirements

- (1) [60.116b(e)] - Determining Vapor Pressure  
Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below.
  - a. [60.116b(e)(1)]  
For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the



maximum local monthly average ambient temperature as reported by the National Weather Service.

- b. [60.116b(e)(2)]  
For crude oil or refined petroleum products the vapor pressure may be obtained by the following:
  - i. Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference see 40 CFR 60.17), unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).
  - ii. The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 3.5 kPa.
  
- c. [60.116b(e)(3)]  
For other liquids, the vapor pressure:
  - i. may be obtained from standard reference texts, or
  - ii. determined by ASTM Method D2879-83, 96, or 97 (incorporated by reference see 40 CFR 60.17); or
  - iii. measured by an appropriate method approved by the Administrator; or
  - iv. calculated by an appropriate method approved by the Administrator.



**3. T008, Tank 55-6**

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

2,280,936 gallon internal floating roof storage tank

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. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(L)	See b)(2)a. through b)(2)c.
b.	40 CFR Part 60 subpart A	See b)(2)h.
c.	40 CFR Part 60 subpart K	The requirements of this rule are less stringent than the requirements specified by OAC rule 3745-21-09(L).
d.	40 CFR Part 63 subpart A	See b)(2)d. and b)(2)e.
e.	40 CFR Part 63 subpart R	Exempt - see b)(2)f.
f.	40 CFR Part 63 subpart BBBB	See b)(2)e. and b)(2)g.

(2) Additional Terms and Conditions

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, and the rim vents, if provided, shall be set to open when the roof is being floated off the roof leg supports or is at the manufacturer's recommended setting.
  - c. 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. Table 3 to 40 CFR Part 63 subpart BBBBBB shows which parts of the General Provisions apply to this emissions unit.
  - e. Emissions unit T008 is subject to 40 CFR Part 63 subparts A and BBBBBB. The complete 40 CFR Part 63 requirements, including the General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Toledo Division of Environmental Services.
  - f. The permittee is exempt from the requirements of 40 CFR Part 63 subpart R since the federally enforceable potential to emit for all emissions units at the facility combined is less than 10 tons per year of any individual HAP and less than 25 tons per year for any combination of HAP. The facility-wide federally enforceable HAP emission limitations are contained in Section C.1.
  - g. The permittee shall comply with each emission limitation and work practice standard in Table 1 to 40 CFR Part 63 subpart BBBBBB no later than the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first.
  - h. 40 CFR Part 60 subpart A provides applicability provisions, definitions, and other general provisions that are pertinent to emissions units affected by 40 CFR Part 60.
- c) Operational Restrictions
- (1) None.
- 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 comply with the applicable testing and monitoring requirements specified in 40 CFR 63.11092(e) no later than the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first.

[40 CFR Part 63 subpart BBBB]B

- (4) The permittee shall comply with the applicable recordkeeping requirements of 40 CFR 63.11094 no later than the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first.

[40 CFR Part 63 subpart BBBB]B

e) Reporting Requirements

- (1) The permittee shall notify the director (the appropriate Ohio EPA District Office or local air agency) 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.

- (2) If the facility is in compliance with the requirements of 40 CFR Part 63 subpart BBBB]B at the time the Initial Notification (40 CFR 63.9(b)) is due, the Notification of Compliance Status under 40 CFR 63.11093(b) may be submitted in lieu of the Initial Notification.

[40 CFR 63.11093]

- (3) The permittee shall comply with the applicable reporting requirements of 40 CFR 63.11095 no later than the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first.

[40 CFR Part 63 subpart BBBB]B

- (4) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

- (1) None.

g) Miscellaneous Requirements

- (1) None.



**4. Emissions Unit Group - X001: T002, T003,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
T002	1,127,238 gallon internal floating roof storage tank
T003	747,432 gallon internal floating roof storage tank

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. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(L)	See b)(2)a. through b)(2)c.
b.	40 CFR Part 63 subpart A	See b)(2)d. and b)(2)e.
c.	40 CFR Part 63 subpart R	Exempt - see b)(2)f.
d.	40 CFR Part 63 subpart BBBB	See b)(2)e. and b)(2)g.

(2) Additional Terms and Conditions

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, and the rim vents, if provided, shall be set to open when the roof is being floated off the roof leg supports or is at the manufacturer's recommended setting.



- c. 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. Table 3 to 40 CFR Part 63 subpart BBBBBB shows which parts of the General Provisions apply to this emissions unit.
- e. Emissions units T002 and T003 is subject to 40 CFR Part 63 subparts A and BBBBBB. The complete 40 CFR Part 63 requirements, including the General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Toledo Division of Environmental Services.
- f. The permittee is exempt from the requirements of 40 CFR Part 63 subpart R since the federally enforceable potential to emit for all emissions units at the facility combined is less than 10 tons per year of any individual HAP and less than 25 tons per year for any combination of HAP. The facility-wide federally enforceable HAP emission limitations are contained in Section C.1.
- g. The permittee shall comply with each emission limitation and work practice standard in Table 1 to 40 CFR Part 63 subpart BBBBBB no later than the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first.

c) Operational Restrictions

- (1) None.

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 comply with the applicable testing and monitoring requirements specified in 40 CFR 63.11092(e) no later than the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first.

[40 CFR Part 63 subpart BBBBBB]



- (4) The permittee shall comply with the applicable recordkeeping requirements of 40 CFR 63.11094 no later than the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first.

[40 CFR Part 63 subpart BBBBBB]

e) Reporting Requirements

- (1) The permittee shall notify the director (the appropriate Ohio EPA District Office or local air agency) 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.

- (2) If the facility is in compliance with the requirements of 40 CFR Part 63 subpart BBBBBB at the time the Initial Notification (40 CFR 63.9(b)) is due, the Notification of Compliance Status under 40 CFR 63.11093(b) may be submitted in lieu of the Initial Notification.

[40 CFR 63.11093]

- (3) The permittee shall comply with the applicable reporting requirements of 40 CFR 63.11095 no later than the first degassing and cleaning activity after January 10, 2011, or by January 10, 2018, whichever is first.

[40 CFR Part 63 subpart BBBBBB]

- (4) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

- (1) None.

g) Miscellaneous Requirements

- (1) None.



**5. Emissions Unit Group - X002: T016, T017,**

<b>EU ID</b>	<b>Operations, Property and/or Equipment Description</b>
T016	Tank T-2: 38,010 gallon internal floating roof storage tank
T017	Tank T-3: 38,010 gallon internal floating roof storage tank

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. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(L)	Exempt - see b)(2)a.
b.	OAC rule 3745-31-05(A)(3) (PTI 04-01274 issued 9/20/2001)	0.67 ton VOC per year
c.	40 CFR Part 60 subpart A	See b)(2)e.
d.	40 CFR Part 60 subpart Kb	See c)(1).
e.	40 CFR Part 63 subpart A	See b)(2)b.
f.	40 CFR Part 63 subpart R	Exempt - b)(2)c.
g.	40 CFR Part 63 subpart BBBB	See b)(2)d.



(2) Additional Terms and Conditions

- a. In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.
- b. Table 3 to 40 CFR Part 63 subpart BBBBBB shows which parts of the General Provisions apply to this emissions unit.
- c. The permittee is exempt from the requirements of 40 CFR Part 63 subpart R since the federally enforceable potential to emit for all emissions units at the facility combined is less than 10 tons per year of any individual HAP and less than 25 tons per year for any combination of HAP. The facility-wide federally enforceable HAP emission limitations are contained in Section C.1.
- d. The permittee shall comply with all applicable requirements of 40 CFR Part 63 subpart BBBBBB by no later than January 10, 2011. The permittee shall demonstrate compliance with 40 CFR Part 63 subpart BBBBBB by maintaining compliance with the requirements of 40 CFR Part 60 subpart Kb.

The complete 40 CFR Part 63 requirements, including the General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Toledo Division of Environmental Services.

- e. 40 CFR Part 60 subpart A provides applicability provisions, definitions, and other general provisions that are pertinent to emissions units affected by 40 CFR Part 60.

c) Operational Restrictions

(1) [60.112b(a)(1)]

The permittee shall equip the storage vessel with a fixed roof in combination with an internal floating roof meeting the following specifications:

- a. [60.112b(a)(1)(i)]

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. [60.112b(a)(1)(ii)]

The internal floating roof shall be equipped with two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.



c. [60.112b(a)(1)(iii)]

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. [60.112b(a)(1)(iv)]

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. [60.112b(a)(1)(v)]

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. [60.112b(a)(1)(vi)]

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. [60.112b(a)(1)(vii)]

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. [60.112b(a)(1)(viii)]

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. [60.112b(a)(1)(ix)]

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) [60.113b(a)(1)]

The permittee shall visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal



fabric or defects in the internal floating roof, or both, the permittee shall repair the items before filling the storage vessel.

(2) [60.113b(a)(3)]

The permittee shall:

a. [60.113b(a)(3)(i)]

visually inspect the vessel as specified in 60.113(a)(4) [see d)] at least every 5 years; or

b. [60.113b(a)(3)(ii) - incorporates 60.113(a)(2)]

visually inspect the internal floating roof and the primary seal or the secondary seal (if one is present) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Administrator in the inspection report required in 60.115b(a)(3) [see d)]. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

(3) [60.113b(a)(4)]

visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in 60.113b(a)(2) [see d)].

(4) The permittee shall keep copies of all reports and records required by 40 CFR Part 60 subpart Kb, for at least 5 years. The permittee shall meet the following requirements.

a. [60.115b(a)(2)]

The permittee shall keep a record of each inspection performed as required by 60.113b(a) [see d)]. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected



and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

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

- (6) The permittee shall keep copies of all records required by 40 CFR Part 60 subpart Kb, except for the record required by 60.116b(b) [see d)], for at least 5 years. The record required by 60.116b(b) [see paragraph below] will be kept for the life of the source.

- (7) [60.116b(b)]

The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.

- (8) [60.116b(c)]

The permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure (to determine the maximum true vapor pressure, see 40 CFR 60.116b(e) [see g]) of that VOL during the respective storage period.

e) Reporting Requirements

- (1) [60.113b(a)(5)]

The permittee shall notify the Toledo Division of Environmental Services (TDOES) in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by 60.113b(a)(1) and (a)(4) [see d)] to afford the TDOES the opportunity to have an observer present. If the inspection required by 60.113b(a)(4) [see d)] is not planned and the permittee could not have known about the inspection 30 days in advance or refilling the tank, the permittee shall notify the TDOES at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the TDOES at least 7 days prior to the refilling.

- (2) [60.115b(a)(4)]

After each inspection required by 60.113b(a)(3) [see d)] that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 60.113b(a)(3)(ii) [see d)], a report shall be furnished to the Toledo Division of Environmental Services (TDOES) within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of 60.112b(a)(1) [see d)] or 60.113b(a)(3) [see d)] and list each repair made.



- (3) If the facility is in compliance with the requirements of 40 CFR Part 63 subpart BBBB at the time the Initial Notification (40 CFR 63.9(b)) is due, the Notification of Compliance Status under 40 CFR 63.11093(b) may be submitted in lieu of the Initial Notification.

[40 CFR 63.11093]

- (4) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

- (1) Compliance with the emission limitation(s) in b) of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation:

0.67 ton VOC per year

Applicable Compliance Method:

Compliance with the VOC emission limitation shall be determined using the latest version of TANKS software, using the actual annual throughput and annual average vapor pressure.

g) Miscellaneous Requirements

- (1) [60.116b(e)] – Determining Vapor Pressure

Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below.

- a. [60.116b(e)(1)]

For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.

- b. [60.116b(e)(2)]

For crude oil or refined petroleum products the vapor pressure may be obtained by the following:

- i. Available data on the Reid vapor pressure and the maximum expected storage temperature based on the highest expected calendar-month



average temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517 (incorporated by reference see 40 CFR 60.17), unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).

- ii. The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa or with physical properties that preclude determination by the recommended method is to be determined from available data and recorded if the estimated maximum true vapor pressure is greater than 3.5 kPa.

c. [60.116b(e)(3)]

For other liquids, the vapor pressure:

- i. may be obtained from standard reference texts, or
- ii. determined by ASTM Method D2879-83, 96, or 97 (incorporated by reference see 40 CFR 60.17); or
- iii. measured by an appropriate method approved by the Administrator; or  
calculated by an appropriate method approved by the Administrator.