



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

1/16/2013

Greg Moore
MARATHON PETROLEUM CO LLC
539 South Main Street
Office 6692
Findlay, OH 45840

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 1431071557
Permit Number: P0112045
Permit Type: Renewal
County: Hamilton

Certified Mail

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	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

Dear Permit Holder:

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

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

How to appeal this permit

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

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

How to save money, reduce pollution and reduce energy consumption

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

How to give us feedback on your permitting experience

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

How to get an electronic copy of your permit

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

If you have any questions, please contact Southwest Ohio Air Quality Agency at (513)946-7777 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael W. Ahern, Manager

Permit Issuance and Data Management Section, DAPC

Cc: SWOAQA



FINAL

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

Facility ID: 1431071557
Permit Number: P0112045
Permit Type: Renewal
Issued: 1/16/2013
Effective: 1/16/2013
Expiration: 1/16/2018



Division of Air Pollution Control
Permit-to-Install and Operate
for
MARATHON PETROLEUM CO LLC

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Final Permit-to-Install and Operate
MARATHON PETROLEUM CO LLC
Permit Number: P0112045
Facility ID: 1431071557
Effective Date: 1/16/2013

Authorization

Facility ID: 1431071557
Application Number(s): A0045994
Permit Number: P0112045
Permit Description: Renewal PTIO for loading racks and tanks that were permitted under PTI 14-05473 issued 1/27/04.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 1/16/2013
Effective Date: 1/16/2013
Expiration Date: 1/16/2018
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

MARATHON PETROLEUM CO LLC
4015 RIVER RD
CINCINNATI, OH 45204

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

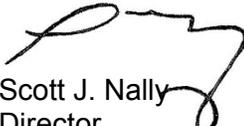
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Southwest Ohio Air Quality Agency
250 William Howard Taft Rd.
Cincinnati, OH 45219
(513)946-7777

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Scott J. Nally
Director



Authorization (continued)

Permit Number: P0112045

Permit Description: Renewal PTIO for loading racks and tanks that were permitted under PTI 14-05473 issued 1/27/04.

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

Emissions Unit ID:	J004
Company Equipment ID:	Gasoline Loading Rack
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	J006
Company Equipment ID:	Non-Gasoline Truck Loading Rack
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	J007
Company Equipment ID:	Non-Gasoline Rail Car Loading Rack
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	J008
Company Equipment ID:	Barge Loading
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	J103
Company Equipment ID:	Barge Loading
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T014
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable

Group Name: Group 1 Tanks

Emissions Unit ID:	T001
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T007
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T008
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T018
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable



Emissions Unit ID:	T019
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T020
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T027
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T037
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T038
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T048
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T051
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T052
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T118
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T119
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T120
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T121
Company Equipment ID:	IFR Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable

Group Name: Group 2 Tanks

Emissions Unit ID:	T031
Company Equipment ID:	Fixed Roof Storage Tank
Superseded Permit Number:	14-05473
General Permit Category and Type:	Not Applicable



Emissions Unit ID:	T034
Company Equipment ID:	Fixed Roof Storage Tank
Superseded Permit Number:	P0098379
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T041
Company Equipment ID:	Fixed Roof Storage Tank
Superseded Permit Number:	14-05473
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T042
Company Equipment ID:	Fixed Roof Storage Tank
Superseded Permit Number:	14-05473
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T043
Company Equipment ID:	Fixed Roof Storage Tank
Superseded Permit Number:	14-05473
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T044
Company Equipment ID:	Fixed Roof Storage Tank
Superseded Permit Number:	14-05473
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T045
Company Equipment ID:	Fixed Roof Storage Tank
Superseded Permit Number:	14-05473
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T046
Company Equipment ID:	Fixed Roof Storage Tank
Superseded Permit Number:	14-05473
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T047
Company Equipment ID:	Fixed Roof Storage Tank
Superseded Permit Number:	14-05473
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T049
Company Equipment ID:	Fixed Roof Storage Tank
Superseded Permit Number:	14-05473
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T053
Company Equipment ID:	Fixed Roof Storage Tank
Superseded Permit Number:	14-05473
General Permit Category andType:	Not Applicable



Final Permit-to-Install and Operate
MARATHON PETROLEUM CO LLC
Permit Number: P0112045
Facility ID: 1431071557
Effective Date: 1/16/2013

A. Standard Terms and Conditions



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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

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

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

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



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

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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



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

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

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

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

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

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

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

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting¹ a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

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

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

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



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

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

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

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

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

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



Final Permit-to-Install and Operate
MARATHON PETROLEUM CO LLC
Permit Number: P0112045
Facility ID: 1431071557
Effective Date: 1/16/2013

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) The total actual emissions of Hazardous Air Pollutants (HAPs), as identified in Section 112(b) of Title III of the 1990 Clean Air Act Amendments, from all emission units at this facility including other de minimis air contaminant sources, as defined in OAC rule 3745-15-05 and other air contaminant sources exempt from the requirement to obtain a permit to install pursuant to OAC rule 3745-31-03 installed subsequent to the issuance of this permit combined shall not exceed 9.9 tons per year (TPY) for any single HAP, as a rolling, 12-month summation and 24.9 TPY for any combination of HAPs, as a rolling, 12-month summation.
 - (2) The permittee shall collect and record the following information each month to show compliance with term B.1.b)(1):
 - a. The name of each HAP* containing material stored or loaded.
 - b. The vapor pressure of each HAP containing material.
 - c. The throughput, in gallons, of each HAP containing material stored or loaded.
 - d. The total individual HAP emissions for each HAP from all HAP containing materials stored or loaded, in pounds or tons per month. (This shall be calculated by using the appropriate emissions factor for each individual HAP for each HAP containing material).
 - e. The total combined HAP emissions from all HAP containing materials stored or loaded, in pounds or tons per month. [This shall be calculated by adding the emissions from (d) for each individual HAP emitted].
 - f. The updated rolling, 12-month summation for individual HAP emissions for each HAP, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months.
 - g. The updated rolling, 12-month summation for total combined HAP emissions, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months.

* A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Southwest Ohio Air Quality Agency contact. This information does not have to be kept on a line-by-line basis.



- (3) 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. 9.9 TPY for any single HAP and 24.9 TPY for combined HAPs
 - b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - d. the magnitude and duration of each deviation (excursion).

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

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

- (4) Compliance with the HAP's emission limitations in term B.1.b)(1) shall be demonstrated by the record keeping in B.1.b)(2).
- (5) To calculate HAP emissions for the purpose of determining compliance with the applicable emission limitations, the permittee shall comply with the following procedures. For each individual HAP, multiply the following emission factors by the actual annual VOC emission rate for the year (in tons per year) for all the gasoline VOC emissions from the facility, including fugitive emissions. These emission factors are based on the liquid weight percent (weight fraction) of each HAP in the gasoline. Speciated emissions were estimated based on equations found in AP-42, 5th Edition, Section 7.1-4, Hazardous Air Pollutant Speciation Methodology.
- a. The HAP emissions from gasoline truck loading and storage shall be determined using the following emission factors:
 - i. benzene – 0.0102 pound of benzene emissions per pound of VOC emissions;
 - ii. cumene – 0.0001 pound of cumene emissions per pound of VOC emissions;
 - iii. toluene – 0.0166 pound of toluene emissions per pound of VOC emissions;
 - iv. xylene – 0.0058 pound of xylene emissions per pound of VOC emissions;



- v. ethyl benzene – 0.001 pound of ethyl benzene emissions per pound of VOC emissions;
 - vi. n-hexane – 0.0168 pound of n-hexane emissions per pound of VOC emissions; and
 - vii. isooctane – 0.0052 pound of isooctane emissions per pound of VOC emissions.
- b. The HAP emissions from the distillates truck loading and storage and fugitive emissions shall be determined using USEPA's "VOC/PM Speciation Data System", version 1.50, Oct. 1992.
 - c. To determine total combined HAP emissions, sum the calculated annual emission rates for each individual HAP.
 - d. Should more accurate emission factors be developed during the current permit cycle the permittee shall use them, provided the new emission factors are mutually agreeable to the Ohio EPA, the Southwest Ohio Air Quality Agency (SWOQA) and the Marathon Ashland Petroleum, LLC.
2. The Ohio EPA has determined that this facility may be applicable to the requirements of an area source MACT/GACT rule that the Ohio EPA does not have the delegated authority to implement. Although Ohio EPA has determined that an area source MACT (also known as the GACT) may apply, at this time Ohio EPA does not have the authority to enforce this standard. Instead, U.S. EPA has the authority to enforce this standard. Please be advised that all requirements associated with these rules are in effect and are enforceable by U.S. EPA. For more information on the area source rules, please refer to the follow U.S. EPA website: <http://www.epa.gov/ttn/atw/area/arearules.html>



Final Permit-to-Install and Operate
MARATHON PETROLEUM CO LLC
Permit Number: P0112045
Facility ID: 1431071557
Effective Date: 1/16/2013

C. Emissions Unit Terms and Conditions



1. J004, Gasoline Loading Rack

Operations, Property and/or Equipment Description:

Gasoline Truck Loading Rack with Vapor Recovery Unit

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. None.
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. b)(1)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 3745-31-05(A)(3)	<p>The emission limitation specified by this rule is less stringent than the emission limitation established in 40 CFR Part 60, Subpart XX.</p> <p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart XX and OAC 3745-31-05(D)</p>
b.	40 CFR Part 60, Subpart XX	<p>The mass emissions of volatile organic compounds (VOC) from the vapor control system shall not exceed 0.29 pound of VOC per 1000 gallons (35 milligrams of VOC per liter) of gasoline loaded into the delivery vessel.</p> <p>See c)(5) through c)(10).</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-21-09(Q)	The emission limitation specified by this rule is less stringent than the emission limitation established in 40 CFR Part 60, Subpart XX. See c)(1) through c)(4), c)(11) and c)(13).
d.	OAC rule 3745-31-05(D)	See section B.1.b)(1) and b)(2)a. below.

(2) Additional Terms and Conditions

- a. VOC emissions from all loading racks at this facility shall not exceed 55.8 TPY, based on a rolling, 12-month summation.

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 to the vapor collection system.
- b. The pressure of 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 during the transfer of gasoline to any delivery vessel:

- a. All vapors collected by the vapor collection system are vented to the control system.
- 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) A means shall be provided 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 design of the system shall prevent vapors collected at one loading rack from passing to another.

(6) Gasoline loadings are made only into gasoline tank trucks equipped with vapor collection equipment compatible with the terminal's vapor collection system.



- (7) The terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at this emissions unit.
- (8) The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4500 pascals (450 mm of water) during product loading. This level shall not be exceeded when measured by the procedures specified in 40 CFR 60.503(d).
- (9) No pressure-vacuum vent in the terminal's vapor collection system shall begin to open at a system pressure less than 4500 pascals (450 mm of water).
- (10) Loading of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures:
 - a. Obtain the vapor tightness documentation described in 40 CFR 60.505(b) for each gasoline tank truck loaded at this emissions unit.
 - b. Require the tank identification number to be recorded as each gasoline tank truck is loaded at this emissions unit.
 - c. Cross-check each tank identification number obtained in c)(10)b. above with the file for tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded.
 - d. Notify the owner or operator of each nonvapor-tight gasoline tank truck loaded at this emissions unit within 3 weeks after the loading has occurred.
 - e. Not allow the reloading of nonvapor-tight gasoline trucks at this emissions unit until the vapor tightness documentation for the truck is obtained.
- (11) The permittee shall not permit gasoline to be spilled, discarded in sewers, stored in open containers or handled in any other manner that would result in evaporation.
- (12) The permittee shall operate the vapor recovery unit within these acceptable operating ranges:
 - a. To ensure proper regeneration of the carbon beds, the maximum vacuum pulled during the regeneration cycle shall be greater than or equal to 25 inches of Hg and the air purge solenoid must be open.
 - b. To ensure proper absorption by the absorption tower, the gasoline supply temperature shall not exceed 98 degrees F.
 - c. To ensure proper flow rate from the absorption tower to the carbon bed, the absorber pressure shall be maintained between 8 psi and 15 psi.
 - d. To ensure proper absorption, the carbon bed temperature, at all levels, shall not exceed 150 degrees F.



- (13) The permittee shall repair within 15 days any leak from the vapor collection system and vapor control system 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.

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

- (1) The permittee shall maintain the following monthly emission information for this emissions unit:
- a. The total emissions of VOC, in tons.
 - b. The total throughput of gasoline, in gallons.
 - c. The total, individual throughput of all non-gasoline materials, in gallons.
- (2) The permittee shall maintain the following monthly information for all of the emissions units at the facility:
- a. The total emissions of VOC, in tons.
- (3) The permittee shall maintain rolling, 12-month summations for the following:
- a. The total emissions of VOC from all emission units at the facility, in tons.
 - b. The total emissions of VOC from all loading racks at the facility, in tons.
- (4) The permittee shall collect and record the following information for each day for the control equipment:
- a. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the emissions unit was in operation.
 - b. During the regeneration cycle, the vacuum pressure in inches of Hg.
 - c. The gasoline supply temperature in degrees F.
 - d. The absorber pressure in psi.
 - e. The carbon bed temperatures in degrees F.
- (5) The permittee shall maintain a preventive maintenance program (PMP) for the carbon adsorption/gasoline absorption vapor recovery unit which has been approved by the appropriate Ohio EPA District Office or local air agency. The PMP shall include an annual inspection of the vapor recovery unit by a qualified individual trained in the operation and inspection of carbon adsorption/absorption systems. The resultant report shall be maintained on site and shall be made available during subsequent inspections by the appropriate Ohio EPA District Office or local air agency.



- (6) The permittee shall maintain the data required by the vapor recovery unit manufacturer's recommended daily operating guidelines on a daily basis. Any subsequent changes to these guidelines shall be mutually agreeable to the permittee and the appropriate Ohio EPA District Office or local air agency.
 - (7) The permittee shall maintain records, at the terminal, of the tank truck vapor tightness documentation required under c)(10)a., in accordance with 40 CFR 60.505(b). The documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by 40 CFR Part 60, Appendix A, Method 27.
 - (8) The permittee shall maintain records of each monthly leak inspection required under d)(11), in accordance with 40 CFR 60.505(c).
 - (9) The permittee shall maintain records of all notifications required under c)(10)b.
 - (10) The permittee shall maintain records for all replacements or additions of components performed on the vapor processing system.
 - (11) Each calendar month during the loading of gasoline tank trucks, the permittee shall inspect the vapor collection system, the vapor control system, and each gasoline loading rack for total organic compounds liquid or vapor leaks. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after the leak is detected.
- e) Reporting Requirements
- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
 - (2) The permittee shall submit 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 deviation described in e)(2)a. above of the HAPs limitation, outlined in Section B.
 - ii. Any deviation described in e)(2)a. above of the VOC emissions limitation outlined in b)(2)a
 - iii. Any parameter readings that are outside of the acceptable value for each vapor recovery unit key operating parameter established in c)(12) .
 - b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and



- d. the magnitude and duration of each deviation (excursion).

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

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

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

f) Testing Requirements

- (1) Compliance with the 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. Emissions Limitation:

VOC emissions from all loading racks at this facility shall not exceed 55.8 TPY, based on a rolling, 12-month summation.

Applicable Compliance Method:

Recordkeeping required in d)(3) shall be used to demonstrate compliance with the rolling, 12-month limitation.

- (2) To calculate the VOC emission for the purpose of determining compliance with the applicable emission limitations, the permittee shall comply with the following:

- a. VOC emissions from storage tanks shall be determined using AP-42, 5th Edition, Chapter 7, Liquid Storage Tanks.
- b. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
- c. VOC emissions from oil water separators shall be based upon the emission factors provided in AP-42, 5th Edition, Tables 5.1-2.
- d. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals-Background information for Proposed Standards, Table C-4).



- e. The VOC from distillates and transmix loading shall be determined using AP-42 5th Edition, Equation 5.2-1.
- (3) If required, 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 to demonstrate compliance with the mass emission limit of 0.29 pound of VOC per 1000 gallons loaded.
 - b. The compliance test methods and procedures for the emission test for this emission unit shall follow those specified in OAC rule 3745-21-10(E), i.e., a minimum of one 6-hour test during which at least 300,000 liters (79,260 gallons) of gasoline are loaded.
 - c. 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 appropriate Ohio EPA District Office or local air agency.
 - d. The vacuum across the carbon beds shall be measured and recorded during the emissions test(s) at a frequency agreed upon by the permittee and the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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.

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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

g) **Miscellaneous Requirements**

- (1) None.



2. J006, Non-Gasoline Truck Loading Rack

Operations, Property and/or Equipment Description:

Non-Gasoline Truck Load Rack (Up River - Tresler) controlled by thermal oxidation

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

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

a. None.

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

a. b)(1)a.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See section B.1.b)(1) and b)(2)a and b)(2)b. below.

(2) Additional Terms and Conditions

a. Volatile Organic Compound (VOC) emissions from all loading racks at this facility shall not exceed 55.8 TPY, based on a rolling, 12-month summation.

c) Operational Restrictions

(1) When employing the flare as a control device, all material loading from this emission unit shall be accomplished in such a manner that all displaced vapors and gases shall be vented only to the flare.

(2) A means shall be provided to prevent drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.



- (3) A pilot flame shall be maintained at all times in the flare's pilot burner during periods when the flare is used to control the volatile organic compound emissions from this emissions unit.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain the following monthly emission information for this emissions unit:
 - a. The total emissions of VOC, in tons.
 - b. The total individual throughput of non-gasoline materials, in gallons.
 - (2) The permittee shall maintain the following monthly information for all of the emissions units at the facility:
 - a. The total emissions of VOC, in tons.
 - (3) The permittee shall maintain rolling, 12-month summations for the following:
 - a. The total emissions of VOC from all emission units at the facility, in tons.
 - b. The total emissions of VOC from all loading racks at the facility, in tons.
 - (4) The permittee shall properly operate, and maintain a device to continuously monitor the flare's 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. This monitoring device shall include an interlock that prevents the loading of non-gasoline materials when the flare's pilot flame is not operational.
 - (5) Each business day, the permittee shall verify that the flare's pilot flame and flame sensor are functioning properly when the emissions unit is in operation. The permittee shall record the results of the daily flare pilot flame and flame sensor inspections.
- e) Reporting Requirements
- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
 - (2) The permittee shall submit 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 deviation described in e)(2)a. above of the HAPs limitation, outlined in Section B.



- ii. Any deviation described in e)(2)a. above of the VOC emissions limitation outlined in b)(2)a.
 - iii. Any deviations of periods of time during which the flare's pilot flame and flame sensor were not functioning properly when the flare was used to control the organic compound emissions from this emissions unit.
- b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - d. the magnitude and duration of each deviation (excursion).

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

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

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

f) Testing Requirements

- (1) Compliance with the 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. Emissions Limitation:

VOC emissions from all loading racks at this facility shall not exceed 55.8 TPY, based on a rolling, 12-month summation.

Applicable Compliance Method:

Recordkeeping required in d)(3) shall be used to demonstrate compliance with the rolling, 12-month limitation.

- (2) To calculate the VOC emission for the purpose of determining compliance with the applicable emission limitations, the permittee shall comply with the following:

- a. VOC emissions from storage tanks shall be determined using AP-42, 6th Edition, Chapter 7, Liquid Storage Tanks.



- b. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
 - c. VOC emissions from oil water separators shall be based upon the emission factors provided in AP-42, 5th Edition, Tables 5.1-2.
 - d. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals-Background information for Proposed Standards, Table C-4).
 - e. The VOC from distillates and transmix loading shall be determined using AP-42 5th Edition, Equation 5.2-1.
- (3) If required, 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 to demonstrate compliance with the required 90% destruction efficiency.
 - b. The compliance test methods and procedures for the emission test shall follow those specified in Method 25B of 40 CFR Part 60, Appendix A.
 - c. 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 appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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.

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 appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

g) Miscellaneous Requirements

- (1) None.



3. J007, Non-Gasoline Rail Car Loading Rack

Operations, Property and/or Equipment Description:

Non-Gasoline Railcar Load Rack

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

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

a. None.

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

a. b)(1)a.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See section B.1.b)(1) and b)(2)a. below.

(2) Additional Terms and Conditions

a. VOC emissions from all loading racks at this facility shall not exceed 55.8 TPY, based on a rolling, 12-month summation.

c) Operational Restrictions

(1) A means shall be provided to prevent drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain the following monthly emission information for this emissions unit:

a. The total emissions of VOC, in tons.



- b. The total individual throughput of non-gasoline materials, in gallons.
- (2) The permittee shall maintain the following monthly information for all of the emissions units at the facility:
 - a. The total emissions of VOC, in tons.
- (3) The permittee shall maintain rolling, 12-month summations for the following:
 - a. The total emissions of VOC from all emission units at the facility, in tons.
 - b. The total emissions of VOC from all loading racks at the facility, in tons.
- e) Reporting Requirements
 - (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
 - (2) The permittee shall submit 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 deviation described in e)(2)a. above of the HAPs limitation, outlined in Section B.
 - ii. Any deviation described in e)(2)a. above of the VOC emissions limitation outlined in b)(2)a.
 - iii. Any deviations of periods of time during which the flare's pilot flame and flame sensor were not functioning properly when the flare was used to control the organic compound emissions from this emissions unit.
 - b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - d. the magnitude and duration of each deviation (excursion).

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

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



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

f) Testing Requirements

- (1) Compliance with the 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. Emissions Limitation:

VOC emissions from all loading racks at this facility shall not exceed 55.8 TPY, based on a rolling, 12-month summation.

Applicable Compliance Method:

Recordkeeping required in d)(3) shall be used to demonstrate compliance with the rolling, 12-month limitation.

- (2) To calculate the VOC emission for the purpose of determining compliance with the applicable emission limitations, the permittee shall comply with the following:

- a. VOC emissions from storage tanks shall be determined using AP-42, 5th Edition, Chapter 7, Liquid Storage Tanks.
- b. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
- c. VOC emissions from oil water separators shall be based upon the emission factors provided in AP-42, 5th Edition, Tables 5.1-2.
- d. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals-Background information for Proposed Standards, Table C-4).
- e. The VOC from distillates and transmix loading shall be determined using AP-42 5th Edition, Equation 5.2-1.

g) Miscellaneous Requirements

- (1) None.



4. J008, Barge Loading

Operations, Property and/or Equipment Description:

Barge Loading/Unloading Area (Up River - Tresler)

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

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

a. None.

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

a. b)(1)a.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See section B.1.b)(1) and b)(2)a. below.

(2) Additional Terms and Conditions

a. VOC emissions from all loading racks at this facility shall not exceed 55.8 TPY, based on a rolling, 12-month summation.

c) Operational Restrictions

(1) A means shall be provided to prevent drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain the following monthly emission information for this emissions unit:

a. The total emissions of VOC, in tons.



- b. The total throughput of gasoline, in gallons.
- c. The total, individual throughput of all non-gasoline materials, in gallons
- (2) The permittee shall maintain the following monthly information for all of the emissions units at the facility:
 - a. The total emissions of VOC, in tons.
- (3) The permittee shall maintain rolling, 12-month summations for the following:
 - a. The total emissions of VOC from all emission units at the facility, in tons.
 - b. The total emissions of VOC from all loading racks at the facility, in tons.
- e) Reporting Requirements
 - (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
 - (2) The permittee shall submit 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 deviation described in e)(2)a. above of the HAPs limitation, outlined in Section B.
 - ii. Any deviation described in e)(2)a. above of the VOC emissions limitation outlined in b)(2)a.
 - iii. Any deviations of periods of time during which the flare's pilot flame and flame sensor were not functioning properly when the flare was used to control the organic compound emissions from this emissions unit.
 - b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - d. the magnitude and duration of each deviation (excursion).

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

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September),



unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

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

f) Testing Requirements

- (1) Compliance with the 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. Emissions Limitation:

VOC emissions from all loading racks at this facility shall not exceed 55.8 TPY, based on a rolling, 12-month summation.

Applicable Compliance Method:

Recordkeeping required in d)(3) shall be used to demonstrate compliance with the rolling, 12-month limitation.

- (2) To calculate the VOC emission for the purpose of determining compliance with the applicable emission limitations, the permittee shall comply with the following:

- a. VOC emissions from storage tanks shall be determined using AP-42, 5th Edition, Chapter 7, Liquid Storage Tanks.
- b. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
- c. VOC emissions from oil water separators shall be based upon the emission factors provided in AP-42, 5th Edition, Tables 5.1-2.
- d. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals-Background information for Proposed Standards, Table C-4).
- e. The VOC from distillates and transmix loading shall be determined using AP-42 5th Edition, Equation 5.2-1.

g) Miscellaneous Requirements

- (1) None.



5. J103, Barge Loading

Operations, Property and/or Equipment Description:

Barge Loading/Unloading Area (Down River - Texaco)

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

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

a. None.

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

a. b)(1)b.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Volatile Organic Compound (VOC) emissions shall not exceed 21.8 pounds per day and 4.0 TPY. See b)(2)b. and b)(2)c.
b.	OAC rule 3745-31-05(D)	See section B.1.b)(1) and b)(2)a. below.

(2) Additional Terms and Conditions

a. VOC emissions from all loading racks at this facility shall not exceed 55.8 TPY, based on a rolling, 12-month summation.

b. The permittee shall employ submerged filling for barges.

c. The amount of all materials loaded by this emissions unit shall not exceed 1,680,000 gallons per day.



- c) Operational Restrictions
 - (1) A means shall be provided to prevent drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.
 - (2) The vapor pressure of any material loaded into the barges shall not exceed 0.0085 psia, at 60 degrees F.
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall maintain the following monthly emission information for this emissions unit:
 - a. The total emissions of VOC, in tons.
 - b. The total throughput of gasoline, in gallons.
 - c. The total, individual throughput of all non-gasoline materials, in gallons.
 - (2) The permittee shall maintain the following monthly information for all of the emissions units at the facility:
 - a. The total emissions of VOC, in tons.
 - (3) The permittee shall maintain rolling, 12-month summations for the following:
 - a. The total emissions of VOC from all emission units at the facility, in tons.
 - b. The total emissions of VOC from all loading racks at the facility, in tons.
 - (4) The permittee shall maintain daily records of the following information for this emissions unit:
 - a. The identification of each material loaded.
 - b. The vapor pressure of each material loaded, in psia, at 60 degrees F.
 - c. The total throughput, in gallons, of all materials
 - d. The total VOC emissions, in pounds
- e) Reporting Requirements
 - (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
 - (2) The permittee shall submit 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 deviation described in e)(2)a. above of the HAPs limitation, outlined in Section B.
 - ii. Any deviation described in e)(2)a. above of the VOC emissions limitation outlined in b)(2)a.
- b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - d. the magnitude and duration of each deviation (excursion).

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

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

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

f) Testing Requirements

- (1) Compliance with the 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. Emissions Limitation:

VOC emissions from all loading racks at this facility shall not exceed 55.8 TPY, based on a rolling, 12-month summation.

Applicable Compliance Method:

Recordkeeping required in d)(3) shall be used to demonstrate compliance with the rolling, 12-month limitation.

- (2) To calculate the VOC emission for the purpose of determining compliance with the applicable emission limitations, the permittee shall comply with the following:



- a. VOC emissions from storage tanks shall be determined using AP-42, 5th Edition, Chapter 7, Liquid Storage Tanks.
 - b. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
 - c. VOC emissions from oil water separators shall be based upon the emission factors provided in AP-42, 5th Edition, Tables 5.1-2.
 - d. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals-Background information for Proposed Standards, Table C-4).
 - e. The VOC from distillates and transmix loading shall be determined using AP-42 5th Edition, Equation 5.2-1.
- g) Miscellaneous Requirements
- (1) None.



6. T014, IFR Storage Tank

Operations, Property and/or Equipment Description:

Tank 23, 2.2 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe

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 b)(2)a.
b.	OAC rule 3745-31-05(D)	See section B.1.b)(1) and b)(2)b. below.
c.	40 CFR Part 60, Subpart Kb	See b)(2)c. through b)(2)n.

(2) Additional Terms and Conditions

a. When petroleum liquids are stored in this emissions unit, the following requirements shall apply:

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

ii. 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.



- iii. 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.
- b. The total VOC emissions from all storage tanks located at this facility shall not exceed 35.06 TPY based on a rolling, 12-month summation.
- c. Emission unit T014 shall be equipped with a fixed roof in combination with an internal floating roof.
- d. 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.
- e. Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
 - i. A foam- or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
 - ii. 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.
 - iii. 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.
- f. 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.
- g. 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.



- h. 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.
 - i. 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.
 - j. 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.
 - k. 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.
 - l. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
 - m. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of an internal floating roof and submerged fill.
 - n. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- c) Operational Restrictions
- (1) The as stored, maximum true vapor pressure of any organic compounds stored in this emissions unit shall not exceed 11.11 psia.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain monthly records of the following information for this emission unit:
 - a. The identification and type of each liquid stored.
 - b. The maximum true vapor pressure, in psia, as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 psia.
 - c. The density of the material stored, in pounds per gallon.
 - d. The total throughput of each material, in gallons.
 - e. The total emissions of VOC, in tons.



- (2) The permittee shall maintain the following monthly information for all emission units at the facility:
 - a. The total emissions of VOC, in tons.
- (3) The permittee shall maintain rolling, 12-month summations for the following:
 - a. The total emissions of VOC from all emission units at the facility, in tons.
 - b. The total emissions of VOC from all storage tanks at the facility, in tons.
- (4) In accordance with 40 CFR Part 60.116b (a) and (b), the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis
- (5) In accordance with 40 CFR Part 60.113b(a)(1), the owner or operator 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 (volatile organic liquid). 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 owner or operator shall repair the items before filling the storage vessel.
- (6) For vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes or 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 and tears in the seal fabric, the owner or operator 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 40 CFR 60.115b(a)(3). Such a request for an extension must document that alternant 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.
- (7) For vessels equipped with a double-seal system as specified in 40 CFR 60.112b(a)(1)(ii)(B):
 - a. Visually inspect the vessel as specified in (a)(4) of 40 CFR 60.113b at least every 5 years; or
 - b. Visually inspect the vessel as specified in (a)(2) of 40 CFR 60.113b.
- (8) In accordance with 40 CFR Part 60.113b(a)(4), the owner or operator shall visually inspect the internal floating roof, the primary seal and 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 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 owner or operator 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 paragraph (a)(2) and (a)(3)(ii) of 40 CFR 60.113b and at intervals no greater than 5 years in the case of vessels specified in (a)(3)(i) of 40 CFR 60.113b.

e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (2) The permittee shall submit 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 deviation described in e)(2)a. above of the HAPs limitation, outlined in Section B.
 - ii. Any deviation described in e)(2)a. above of the VOC emissions limitation outlined in b)(2)b.
 - b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - d. the magnitude and duration of each deviation (excursion).

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

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

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



- (4) After installing control equipment in accordance with 40 CFR 60.112b(a)(1) (fixed roof and internal floating roof), the permittee shall meet the following reporting requirements:
 - a. Keep a record of each inspection performed as required by 40 CFR 60.113b (a)(1), (a)(2), (a)(3), and (a)(4). 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).
 - b. If any of the conditions described in 40 CFR 60.113b(a)(2) are detected during the annual visual inspection required by 40 CFR 60.113b(a)(2), a report shall be furnished to the Administrator 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 date the repair was made.
 - c. After each inspection required by 40 CFR 60.113b(a)(3) 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 40 CFR 60.113b(a)(3)(ii), a report shall be furnished to the Administrator within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of 40 CFR 61.112b(a)(1) or 40 CFR 60.113b(a)(3) and list each repair made.
- (5) The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any record showing that any material stored in the tank exceeded the vapor pressure limit in c)(1) for this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (SWOAQA) within 30 days following the end of the calendar month.
- (6) The permittee shall notify SWOAQA within 30 days of the occurrence, of any period of time in which the automatic bleeder vents, rim vents, and all openings other than the stub drains were not maintained as required in the permit. 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 date the repair was made.
- (7) Notify the Southwest Ohio Air Quality Agency in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraphs (a)(1) and (a)(4) of 40 CFR 60.113b to afford the Southwest Ohio Air Quality Agency the opportunity to have an observer present. If the inspection required by paragraph (a)(4) of 40 CFR 60.113b is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, the owner or operator shall notify the Southwest Ohio Air Quality Agency 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 Southwest Ohio Air Quality Agency at least 7 days prior to the refilling.



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:

The total VOC emissions from all storage tanks located at this facility shall not exceed 35.06 TPY based on a rolling, 12-month summation.

Applicable Compliance Method:

Recordkeeping required in d)(3) shall be used to demonstrate compliance with the rolling, 12-month limitation.

(2) To calculate the VOC emission for the purpose of determining compliance with the applicable emission limitations, the permittee shall comply with the following:

a. VOC emissions from storage tanks shall be determined using AP-42, 5th Edition, Chapter 7, Liquid Storage Tanks.

b. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."

c. VOC emissions from oil water separators shall be based upon the emission factors provided in AP-42, 5th Edition, Tables 5.1-2.

d. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals-Background information for Proposed Standards, Table C-4).

e. The VOC from distillates and transmix loading shall be determined using AP-42 5th Edition, Equation 5.2-1.

g) Miscellaneous Requirements

(1) None.



7. Emissions Unit Group -Group 1 Tanks:
 T001,T007,T008,T018,T019,T020,T027,T037,T038,T048,T051,T052,T118,T119,T120,T121,

EU ID	Operations, Property and/or Equipment Description
T001	Tank 16, .96 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T007	Tank 11, .41 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T008	Tank 12, .84 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T018	Tank 29, 1.0 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T019	Tank 31, 1.0 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T020	Tank 33, 1.0 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T027	Tank 17, .96 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T037	Tank 18, .68 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill
T038	Tank 36, 3.34 Million Gallon Internal Floating Roof Storage Tank with Submergible Fill Pipe
T048	Tank 27, .44 Milliom Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T051	Tank 32, 3.1 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T052	Tank 34, 2.46 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T118	Tank 50, 1.0 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T119	Tank 51, 1.0 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T120	Tank 52, 1.0 Million Gallon Internal Floating Roof Storage Tank with Submerged Fill Pipe
T121	Tank 53, 1.0 Million Gallon Internal Fixed Roof Storage Tank with Submerged Fill Pipe

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 b)(2)a.
b.	OAC rule 3745-31-05(D)	See section B.1.b)(1) and b)(2)b.



- (2) Additional Terms and Conditions
 - a. When petroleum liquids are stored in this emissions unit, the following requirements shall apply:
 - i. The fixed roof storage tank shall be equipped with an internal floating roof.
 - ii. 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.
 - iii. 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.
 - b. The total VOC emissions from all storage tanks located at this facility shall not exceed 35.06 TPY based on a rolling, 12-month summation.
- c) Operational Restrictions
 - (1) None.
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall maintain monthly records of the following information for each tank listed in Group 1 tanks:
 - a. The identification and type of each liquid stored.
 - b. The maximum true vapor pressure, in psia, as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 psia.
 - c. The density of the material stored, in pounds per gallon.
 - d. The total throughput of each material, in gallons.
 - e. The total emissions of VOC, in tons.
 - (2) The permittee shall maintain the following monthly information for all emission units at the facility:
 - a. The total emissions of VOC, in tons.
 - (3) The permittee shall maintain rolling, 12-month summations for the following:
 - a. The total emissions of VOC from all emission units at the facility, in tons.
 - b. The total emissions of VOC from all storage tanks at the facility, in tons.



e) Reporting Requirements

- (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
- (2) The permittee shall submit 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 deviation described in e)(2)a. above of the HAPs limitation, outlined in Section B.
 - ii. Any deviation described in e)(2)a. above of the VOC emissions limitation outlined in b)(2)b.
 - b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - d. the magnitude and duration of each deviation (excursion).

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

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

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

f) Testing Requirements

- (1) Compliance with the 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:

The total VOC emissions from all storage tanks located at this facility shall not exceed 35.06 TPY based on a rolling, 12-month summation.



Applicable Compliance Method:

Recordkeeping required in d)(3) shall be used to demonstrate compliance with the rolling, 12-month limitation.

- (2) To calculate the VOC emission for the purpose of determining compliance with the applicable emission limitations, the permittee shall comply with the following:
 - a. VOC emissions from storage tanks shall be determined using AP-42, 5th Edition, Chapter 7, Liquid Storage Tanks.
 - b. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
 - c. VOC emissions from oil water separators shall be based upon the emission factors provided in AP-42, 5th Edition, Tables 5.1-2.
 - d. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals-Background information for Proposed Standards, Table C-4).
 - e. The VOC from distillates and transmix loading shall be determined using AP-42 5th Edition, Equation 5.2-1.
- g) Miscellaneous Requirements
 - (1) None.



8. Emissions Unit Group -Group 2 Tanks:
 T031,T034,T041,T042,T043,T044,T045,T046,T047,T049,T053,

EU ID	Operations, Property and/or Equipment Description
T031	Tank 7, .4 Million Gallon Fixed Roof Storage Tank
T034	Fixed Roof Storage Tank
T041	Tank 14, .59 Million Gallon Fixed Roof Storage Tank
T042	Tank 19, .21 Milliom Fixed Roof Storage Tank
T043	Tank 20, .21 Million Gallon Fixed Roof Storage Tank
T044	Tank 21, .21 Million Gallon Fixed Roof Storage Tank
T045	Tank 22, .21 Million Gallon Fixed Roof Storage Tank
T046	Tank 24, .41 Million Gallon Fixed Roof Storage Tank
T047	Tank 25, .41 Million Gallon Fixed Roof Storage Tank
T049	Tank 28, .44 Million Gallon Fixed Roof Storage Tank
T053	Tank 35, 3.34 Million Gallon Fixed 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. b)(1)a.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(D)	See section B.1.b)(1) and b)(2)a. below.

(2) Additional Terms and Conditions

a. The total VOC emissions from all storage tanks located at this facility shall not exceed 35.06 TPY based on a rolling, 12-month summation.



- c) Operational Restrictions
 - (1) None.
- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall maintain monthly records of the following information for each tank listed in Group 2 tanks:
 - a. The identification and type of each liquid stored.
 - b. The maximum true vapor pressure, in psia, as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 psia.
 - c. The density of the material stored, in pounds per gallon.
 - d. The total throughput of each material, in gallons.
 - e. The total emissions of VOC, in tons.
 - (2) The permittee shall maintain the following monthly information for all emission units at the facility:
 - a. The total emissions of VOC, in tons.
 - (3) The permittee shall maintain rolling, 12-month summations for the following:
 - a. The total emissions of VOC from all emission units at the facility, in tons.
 - b. The total emissions of VOC from all storage tanks at the facility, in tons.
- e) Reporting Requirements
 - (1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
 - (2) The permittee shall submit 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 deviation described in e)(2)a. above of the HAPs limitation, outlined in Section B.
 - ii. Any deviation described in e)(2)a. above of the VOC emissions limitation outlined in b)(2)b.
 - b. the probable cause of each deviation (excursion);



- c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
- d. the magnitude and duration of each deviation (excursion).

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

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

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

f) Testing Requirements

- (1) Compliance with the 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:

The total VOC emissions from all storage tanks located at this facility shall not exceed 35.06 TPY based on a rolling, 12-month summation.

Applicable Compliance Method:

Recordkeeping required in d)(3) shall be used to demonstrate compliance with the rolling, 12-month limitation.

- (2) To calculate the VOC emission for the purpose of determining compliance with the applicable emission limitations, the permittee shall comply with the following:

- a. VOC emissions from storage tanks shall be determined using AP-42, 5th Edition, Chapter 7, Liquid Storage Tanks.
- b. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
- c. VOC emissions from oil water separators shall be based upon the emission factors provided in AP-42, 5th Edition, Tables 5.1-2.
- d. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and vapor-tightness loss rate of 9 mg/l from



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MARATHON PETROLEUM CO LLC
Permit Number: P0112045
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the trucks. The 9 mg/l leakage factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals-Background information for Proposed Standards, Table C-4).

e. The VOC from distillates and transmix loading shall be determined using AP-42 5th Edition, Equation 5.2-1.

g) Miscellaneous Requirements

(1) None.