



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

4/15/2013

Certified Mail

William Patrie  
Marathon Petroleum Company LP - Canton Refinery  
2408 Gambrinus Avenue SW  
Canton, OH 44706

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL  
Facility ID: 1576002006  
Permit Number: P0112476  
Permit Type: OAC Chapter 3745-31 Modification  
County: Stark

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	MACT/GACT
Yes	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	MAJOR GHG
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 (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully. 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 PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

## **How to save money, reduce pollution and reduce energy consumption**

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

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

Please complete a survey at [www.epa.ohio.gov/dapc/pemitsurvey.aspx](http://www.epa.ohio.gov/dapc/pemitsurvey.aspx) and give us feedback on your permitting experience. We value your opinion.

## **How to get an electronic copy of your permit**

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

If you have any questions, please contact Canton City Health Department at (330)489-3385 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: U.S. EPA  
Canton; Pennsylvania; West Virginia



**FINAL**

**Division of Air Pollution Control  
Permit-to-Install**

for

**Marathon Petroleum Company LP - Canton Refinery**

Facility ID: 1576002006  
Permit Number: P0112476  
Permit Type: OAC Chapter 3745-31 Modification  
Issued: 4/15/2013  
Effective: 4/15/2013





**Division of Air Pollution Control**  
**Permit-to-Install**  
for  
Marathon Petroleum Company LP - Canton Refinery

**Table of Contents**

Authorization .....	1
A. Standard Terms and Conditions .....	3
1. Federally Enforceable Standard Terms and Conditions .....	4
2. Severability Clause .....	4
3. General Requirements .....	4
4. Monitoring and Related Record Keeping and Reporting Requirements.....	5
5. Scheduled Maintenance/Malfunction Reporting .....	6
6. Compliance Requirements .....	6
7. Best Available Technology .....	7
8. Air Pollution Nuisance .....	7
9. Reporting Requirements .....	7
10. Applicability .....	8
11. Construction of New Sources(s) and Authorization to Install .....	8
12. Permit-To-Operate Application .....	9
13. Construction Compliance Certification .....	9
14. Public Disclosure .....	9
15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations .....	10
16. Fees.....	10
17. Permit Transfers .....	10
18. Risk Management Plans .....	10
19. Title IV Provisions .....	10
B. Facility-Wide Terms and Conditions.....	11
C. Emissions Unit Terms and Conditions .....	13
1. T052, Tank 22.....	14





## Authorization

Facility ID: 1576002006  
Facility Description: Petroleum Refinery  
Application Number(s): A0046446  
Permit Number: P0112476  
Permit Description: Chapter 31 modification to incorporate NSPS Subpart UU requirements into PTI for a fixed roof petroleum liquid storage tank.  
Permit Type: OAC Chapter 3745-31 Modification  
Permit Fee: \$750.00  
Issue Date: 4/15/2013  
Effective Date: 4/15/2013

This document constitutes issuance to:

Marathon Petroleum Company LP - Canton Refinery  
2408 Gambrinus Avenue SW  
Canton, OH 44706

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

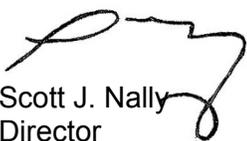
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Canton City Health Department  
420 Market Avenue  
Canton, OH 44702-1544  
(330)489-3385

The above named entity is hereby granted a Permit-to-Install for the 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 emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

  
Scott J. Nally  
Director



**Final Permit-to-Install**  
Marathon Petroleum Company LP - Canton Refinery  
**Permit Number:** P0112476  
**Facility ID:** 1576002006  
**Effective Date:** 4/15/2013

## Authorization (continued)

Permit Number: P0112476  
Permit Description: Chapter 31 modification to incorporate NSPS Subpart UU requirements into PTI for a fixed roof petroleum liquid storage tank.

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

<b>Emissions Unit ID:</b>	<b>T052</b>
Company Equipment ID:	Tank 22
Superseded Permit Number:	15-362
General Permit Category and Type:	Not Applicable



**Final Permit-to-Install**  
Marathon Petroleum Company LP - Canton Refinery  
**Permit Number:** P0112476  
**Facility ID:** 1576002006  
**Effective Date:**4/15/2013

## **A. Standard Terms and Conditions**



## **1. Federally Enforceable Standard Terms and Conditions**

- a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:
  - (1) Standard Term and Condition A.2.a), Severability Clause
  - (2) Standard Term and Condition A.3.c) through A. 3.e) General Requirements
  - (3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements
  - (4) Standard Term and Condition A.9., Reporting Requirements
  - (5) Standard Term and Condition A.10., Applicability
  - (6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install
  - (7) Standard Term and Condition A.14., Public Disclosure
  - (8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
  - (9) Standard Term and Condition A.16., Fees
  - (10) Standard Term and Condition A.17., Permit Transfers

## **2. Severability Clause**

- a) A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
- b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

## **3. General Requirements**

- a) The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification.



- b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c) This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d) This permit does not convey any property rights of any sort, or any exclusive privilege.
- e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

#### **4. Monitoring and Related Record Keeping and Reporting Requirements**

- a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - (1) The date, place (as defined in the permit), and time of sampling or measurements.
  - (2) The date(s) analyses were performed.
  - (3) The company or entity that performed the analyses.
  - (4) The analytical techniques or methods used.
  - (5) The results of such analyses.
  - (6) The operating conditions existing at the time of sampling or measurement.
- b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
  - (1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Canton City Health Department.



- (2) Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Canton City Health Department. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.
  - (3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the Canton City Health Department every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
  - (4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

## **5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Canton City Health Department in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

## **6. Compliance Requirements**

- a) The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.
- b) Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.



- c) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - (1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
  - (3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - (4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- d) The permittee shall submit progress reports to the Canton City Health Department concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
  - (1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - (2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

## **7. Best Available Technology**

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

## **8. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

## **9. Reporting Requirements**

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Canton City Health Department.
- b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have



been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Canton City Health Department. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

## **10. Applicability**

This Permit-to-Install is applicable only to the emissions unit(s) identified in the Permit-to-Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

## **11. Construction of New Sources(s) and Authorization to Install**

- a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.
- b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.
- c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., 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) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as "permanently shut down" in Ohio EPA's "Air Services" 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).



- d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., 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). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

No emissions unit certified by the authorized official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

- e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

## **12. Permit-To-Operate Application**

The permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77. The permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

## **13. Construction Compliance Certification**

The applicant shall identify the following dates in the online facility profile for each new emissions unit identified in this permit.

- a) Completion of initial installation date shall be entered upon completion of construction and prior to start-up.
- b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

## **14. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.



**15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations**

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly (i.e., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

**16. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

**17. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the "Owner/Contact Change" functionality in Air Services once the transfer is legally completed. The change must be submitted through Air Services within thirty days of the ownership transfer date.

**18. Risk Management Plans**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

**19. Title IV Provisions**

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.



**Final Permit-to-Install**  
Marathon Petroleum Company LP - Canton Refinery  
**Permit Number:** P0112476  
**Facility ID:** 1576002006  
**Effective Date:** 4/15/2013

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



1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:
  - a) [OAC rule 3745-15-03(A)]  
Unless other arrangements have been approved by the Director (the appropriate Ohio EPA District Office or local air agency), all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.
2. The emissions units contained in this permit are subject to 40 CFR Part 63, Subpart CC and 40 CFR Part 60, Subpart UU. The complete MACT and NSPS requirements, including General Provisions, may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the appropriate Ohio EPA District Office or local air agency.



**Final Permit-to-Install**  
Marathon Petroleum Company LP - Canton Refinery  
**Permit Number:** P0112476  
**Facility ID:** 1576002006  
**Effective Date:** 4/15/2013

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



**1. T052, Tank 22**

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

1,008,000 gal Petroleum Liquid Fixed Roof Storage Tank; MPC Tank 22

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01	Volatile Organic Compounds (VOC): 0.96 ton/yr  Particulate Matter (PM/PM <sub>10</sub> /PM <sub>2.5</sub> ): 0.21 ton/yr  See b)(2)a. and b., and c)(1)
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)c.
c.	OAC rule 3745-17-07(A)(1)	The opacity limit in this rule is less stringent than that specified in 40 CFR Part 60, Subpart UU.
d.	OAC rule 3745-17-11(B)(1)	The requirements of this rule are less stringent than those specified under 3745-31-05(A)(3). See b)(1)a.
e.	OAC rule 3745-21-09(L)	See b)(2)d. and c)(2)
f.	40 CFR Part 60, Subpart A (40 CFR 60.1-19)	General Provisions
g.	40 CFR Part 60, Subpart Kb (40 CFR 60.110b-117b)	See b)(2)d.
h.	40 CFR Part 60, Subpart UU (40 CFR 60.470-474) See b)(2)e.	Zero percent opacity from asphalt tank exhaust gases except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing. [40 CFR 60.472(c)]



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
i.	40 CFR Part 63, Subpart A (40 CFR 63.1-16)	General Provisions
j.	40 CFR Part 63, Subpart CC (40 CFR 63.640-679) See b)(2)f.	See d)(4)
k.	40 CFR Part 63, Subpart LLLLLL (40 CFR 63.8680-8698)	See b)(2)g.

(2) Additional Terms and Conditions

- a. Best Available Technology (BAT) requirements for this emissions unit shall include compliance with 40 CFR Part 63, Subpart CC and 40 CFR Part 60, Subpart UU.
- b. The permittee has satisfied the BAT requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emissions limits/control measures no longer apply.
- c. This paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.
  - i. The Best Available Technology requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC and PM emissions since the uncontrolled potential to emit for VOC and PM is less than 10 tons per year.
- d. The asphalt stored in this emissions unit has a maximum true vapor pressure less than 3.5 kPa (0.5076 psia), which is less than 1.52 psia, therefore, the requirements of these rules do not apply.
- e. In accordance with §60.470, this emissions unit is an asphalt storage tank that commenced construction or modification after May 26, 1981 at a petroleum refinery subject to the emissions limitations/control measures specified in this section.



- f. In accordance with §63.641, this emissions unit is a Group 2 storage vessel at an existing petroleum refinery subject to the emissions limitations/control measures specified in this section.
- g. The requirements of 40 CFR 63, Subpart LLLLL do not apply to this emissions unit because the Canton Refinery is not an asphalt processing facility, as defined in §63.8698, since MPC does not operate one or more asphalt flux blowing stills.

c) Operational Restrictions

- (1) [OAC rule 3745-31-05(A)(3)]  
The permittee shall employ a submerged fill line during tank loading operations for this emissions unit.
- (2) [OAC rule 3745-21-09(L)(1) and 40 CFR 60.110b(b)]  
The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid that, as stored, has a true vapor pressure greater than 3.5 kPa (0.5076 psia) per §60.110b(b) or 1.52 psia per OAC rule 3745-21-09(L)(1), unless the tank is equipped with an internal floating roof or equivalent control approved by the Director (the appropriate Ohio EPA district office or local air agency) prior to storing a petroleum liquid with a higher vapor pressure.

d) Monitoring and/or Recordkeeping Requirements

- (1) [OAC rule 3745-31-05(A)(3)]  
The permittee shall maintain records of the actual annual throughput, in gallons per calendar year for this emissions unit.
- (2) [40 CFR 60.472(c)]  
The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the vents/stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. the total duration of any visible emissions incident; and
  - c. any corrective actions taken to eliminate the visible emissions.

The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned frequencies for performing the visible emissions checks if operating experience indicates that less frequent visible emissions checks would be sufficient to ensure compliance with the above-mentioned applicable requirements.



- (3) [OAC rule 3745-21-09(L)(1) and 40 CFR 60.110b(b)]

The permittee shall maintain records of the following information for the fixed roof tank:

- a. the types of petroleum liquids stored in the tank; and
- b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each petroleum liquid that has a maximum true vapor pressure greater than 0.25 pound per square inch absolute.

These records shall be maintained for at least 5 years and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

- (4) [40 CFR 63.655(i)(1)(iv)]

If a storage vessel is determined to be Group 2 because the weight percent total organic hazardous air pollutants (HAP) of the stored liquid is less than or equal to 4 percent for existing sources or 2 percent for new sources, the permittee shall retain a record of any data, assumptions, and procedures used to make this determination.

e) Reporting Requirements

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

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

- a. all exceedances of the emissions limits/control measures specified in b)(1); and
- b. all instances of noncompliance with the operational restrictions or monitoring and recordkeeping requirements specified in this permit.

The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

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

The permittee shall submit semiannual written reports that identify:

- a. all days during which any visible particulate emissions were observed from the vents/stacks serving this emissions unit; and
- b. any corrective actions taken to minimize or eliminate the visible particulate emissions.

The semi-annual reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

- (3) [OAC rule 3745-21-09(L)(4) and 40 CFR 60.7]

If the permittee places, stores, or holds, in the fixed roof tanks, any petroleum liquid with a true vapor pressure that is greater than 3.5 kPa (0.5076 psai) per §60.110b(b) or 1.52 psia per OAC rule 3745-21-09(L)(1), the permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of becoming aware of the occurrence:



- a. the date that such petroleum liquid was first stored in the tank;
  - b. the date removed (if removed);
  - c. the total gallons throughput of each petroleum liquid exceeding this vapor pressure; and
  - d. the proposed method of compliance shall be included in the report.
- (4) [40 CFR 63.655(f)(1)(i)(A)]  
The permittee shall submit a Notification of Compliance Status report containing identification of each storage vessel subject to 40 CFR Part 63, Subpart CC.
- f) Testing Requirements
- (1) Compliance with the emission limitations and/or control requirements specified in b)(1) of these terms and conditions shall be determined in accordance with the following methods:
- a. Emissions Limitations:  
0.96 ton VOC/yr  
  
Applicable Compliance Methods:  
  
The emission limitation was established by setting it equal to the maximum potential to emit, provided in the permit application.  
  
Compliance with the above VOC limit shall be determined by estimating emissions using the most recent version of EPA's TANKS computer software, or equivalent, or the most recent version of AP-42 Chapter 7, using the actual throughput and average vapor pressure. MPC assumes 100% of total losses are VOC emissions.
  - b. Emissions Limitations:  
0.21 ton PM/yr for T083  
  
Applicable Compliance Methods:  
  
The emission limitation was established by using the VOC limitation and the approach below.  
  
Compliance with the annual PM/PM<sub>10</sub>/PM<sub>2.5</sub> emissions limitation shall be demonstrated by multiplying the actual VOC emissions as calculated in f)(1)a. by 22 percent in accordance with the methods outlined in Environmental Progress (Vol. 18, No. 4), Winter 1999 article entitled: "Estimates of Air Emissions from Asphalt Storage Tanks and Truck Loading," as included in application A0041261 for PTI P0107671 submitted on February 22, 2011.  
  
 $0.96 \text{ ton VOC/yr} \times 0.22 = 0.21 \text{ ton PM/yr}$



c. Emissions Limitations:

Zero percent opacity from asphalt tank exhaust gases except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for clearing.

Applicable Compliance Methods:

Pursuant to §63.474(c)(5), compliance with the above opacity limit shall be determined using Method 9 of 40 CFR Part 60, Appendix A and the procedures in §60.11.

(2) The permittee shall conduct, or have conducted, emission testing using Method 9 of 40 CFR Part 60, Appendix A and the procedures in §60.11 to demonstrate compliance with the allowable opacity limit under b)(1)h. for this emissions unit within 60 days after achieving the maximum production rate at which this emissions unit will be operated, but not later than 180 days after initial startup of the emissions unit, in accordance with the following requirements:

- a. 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.
- b. 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).
- c. 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.
- d. 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). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

(3) For Informational Purposes Only

- a. Marathon Petroleum Company conducted the initial performance test, required by f)(2) above, and submitted the results of the Method 9 observations required by 40 CFR 60.474(c)(5) in a letter to the Canton City Health Department, Air



**Final Permit-to-Install**  
Marathon Petroleum Company LP - Canton Refinery  
**Permit Number:** P0112476  
**Facility ID:** 1576002006  
**Effective Date:** 4/15/2013

Pollution Control Division dated July 21, 2004. The letter has been scanned and uploaded to the application A0046446 for PTI P0112476 submitted on 1/3/2013.

- g) Miscellaneous Requirements
  - (1) None.