



State of Ohio Environmental Protection Agency

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Street Address:

Lazarus Gov. Center
50 West Town Street, Suite 700
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

SEP 21 2007

CANTON CITY HEALTH DEPT.
AIR POLLUTION DIVISION

CERTIFIED MAIL

RE: FINAL PERMIT TO INSTALL
STARK COUNTY
Application No: 15-01677
Fac ID: 1576000301

DATE: 9/27/2007

Marathon Petroleum Company LLC, Canton
Brent McNeese
2408 Gambrinus Ave., SW
Canton, OH 44706

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
40 CFR Part 63, Subpart CC	MACT
40 CFR Part 60, Subparts Kb and GGG	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging 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 Pollution Prevention at (614) 644-3469.

You are hereby notified that this action of the Director is final 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 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
309 South Fourth Street, Room 222
Columbus, OH 43215

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

Canton LAA



Permit To Install
Terms and Conditions

Issue Date: 9/27/2007
Effective Date: 9/27/2007

FINAL PERMIT TO INSTALL 15-01677

Application Number: 15-01677

Facility ID: 1576000301

Permit Fee: **\$1500**

Name of Facility: Marathon Petroleum Company LLC, Canton

Person to Contact: Brent McNeese

Address: 2408 Gambrinus Ave., SW
Canton, OH 44706

Location of proposed air contaminant source(s) [emissions unit(s)]:
2408 Gambrinus Avenue SW
Canton, Ohio

Description of proposed emissions unit(s):

State Federal PTI for the installation of two 3.15 mmgallons of petroleum liquids having a MTVP of 1.51 psia and an IFR and submerged fill to minimize VOC emissions.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) 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 above described 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

Chris Korleski
Director

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit-To-Install General Terms and Conditions

1. Monitoring and Related Recordkeeping 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:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. 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:
 - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. 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 appropriate Ohio EPA District Office or local air agency. 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 B.9 below if no deviations occurred during the quarter.

- iii. 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 appropriate Ohio EPA District Office or local air agency 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.
 - iv. If this permit is for an emissions unit located at a Title V facility, then 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.

2. 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 appropriate Ohio EPA District Office or local air agency 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).

3. 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.

4. 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.

5. Severability Clause

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.

6. 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.

7. 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.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any 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. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. 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.
- b. 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:
 - i. 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.
 - ii. 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.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. 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.

- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency 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:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. 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.

10. Permit-To-Operate Application

- a. If 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).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this permit is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

12. 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.

13. Permit-To-Install

A permit-to-install must be obtained pursuant to OAC Chapter 3745-31 prior to "installation" of "any air contaminant source" as defined in OAC rule 3745-31-01, or "modification", as defined in OAC rule 3745-31-01, of any emissions unit included in this permit.

B. State Only Enforceable Permit-To-Install General Terms and Conditions

1. Compliance Requirements

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.

2. 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 appropriate Ohio EPA District Office or local air agency.
- 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 appropriate Ohio EPA District Office or local air agency. 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.)

3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. Authorization To Install or Modify

If applicable, authorization to install or modify any new or existing 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 modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. 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.

5. Construction of New Sources(s)

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.

6. 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.

7. 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).

8. Construction Compliance Certification

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) that the facility has been constructed in accordance with the permit-to-install application and the terms and conditions of the permit-to-install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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.

C. Permit-To-Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC	8.64

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (T200) - 3.15 mmGallon petroleum liquid storage vessel used to store liquids with a Max. TVP of 1.51 psia, utilizing an IFR, regulated seal system, and submerged fill to control VOC emissions. The company tank designation is no.280.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-02(A)	4.32 tons VOC/year See section A.II.1 and A.I.2.a
40 CFR Part 60, Subpart Kb	See section A.I.2.b
40 CFR Part 60, Subpart GGG	See section A.I.2.f
40 CFR Part 63, Subpart CC	See section A.I.2.f
OAC rule 3745-21-09(L)	See section A.I.2.c

2. Additional Terms and Conditions

- 2.a Permit to Install 15-01677 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):
 - a. Use of a submerged fill line during the tank loading operations;
 - b. Use of an internal floating roof;
 - c. Use of a regulated sealing system as defined under 40 CFR Part 60.112b(a)(1)

Note: 4.32 tons/year is potential to emit for this emission unit.

- 2.b 40 CFR Part 60.112b(a)(1)
The permittee shall employ a fixed roof in combination with an internal floating roof meeting the following specifications:

- i. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
- ii. 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:
 - (1) 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.
 - (2) 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.
 - (3) 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.
- iii. Each opening in a non-contact 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.
- iv. The cover or lid on 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 shall be equipped with a gasket.
- v. Automatic bleeder vents and rim space vents shall be equipped with a gasket.
- vi. 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.
- vii. 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.

- viii Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
- 2.c** The requirements of this applicable rule are less stringent than the requirements specified in 40 CFR Part 60, Subpart Kb.
- 2.d** The permittee shall not store Volatile Organic or Petroleum liquids with a maximum true vapor pressure, as stored, of 1.508 psia or greater in this emissions unit.
- 2.e** The permittee shall repair any of the following items or empty and remove the storage vessel from service within 45 days when they are discovered:
 - i. The internal floating roof is not resting on the surface of the VOL inside the storage vessel; or
 - ii. There is liquid accumulated on the roof; or
 - iii. The seal is detached; or
 - iv. There are holes or tears in the seal fabric.
- 2.f** Section 40 CFR Part 60, Subpart GGG regulates Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries. This subpart requires affected equipment and facilities in VOC service to comply with the requirements of 40 CFR, Part 60, Subpart VV. However, pursuant to 40 CFR Part 63.640(p), when there is an overlap of 40 CFR Part 63, subpart CC with other regulations regarding equipment leaks, the permittee shall comply with the equipment leak provisions of 40 CFR Part 60, Subpart VV and 40 CFR Part 63.648(b) for equipment in organic HAP service except as provided in 40 CFR Part 63.648(a)(1), (a)(2), and (c) through (i).
- 2.g** 40 CFR Part 63.640(n)(1)
A Group 2 storage vessel that is part of an existing source and is also subject to the provisions of 40 CFR part 60, subpart Kb, is required to comply only with the requirements of 40 CFR part 60, subpart Kb except as provided in 40 CFR Part 63.640(n)(8). The exceptions specified in 40 CFR Part 63.640(n)(8) have been incorporated into this PTI by reference.

II. Operational Restrictions

1. This storage vessel shall employ a submerged fill line during the tank loading operations.
2. The cover or lid on 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 maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.

3. Automatic bleeder vents 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.
4. Rim space vents shall be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.

III. Monitoring and/or Record keeping Requirements

1. The permittee shall maintain records of the actual annual throughput, in either gallons per year or barrels per year for this emissions unit.
2. The permittee shall calculate and maintain records of the annual VOC emissions from this emissions unit. The actual annual throughput recorded for any calendar year shall be the basis for calculating the annual emissions of VOC by using the emissions estimation methodologies provided in the most current version of AP-42 or the most recent version of USEPA's TANKS computer program.
3. The permittee shall visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the permittee shall repair the items before filling the storage vessel.
4. For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, the permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill.
5. For vessels equipped with a double-seal system as specified in Sec. 60.112b(a)(1)(ii)(B), the permittee shall:
 - a. Visually inspect the vessel as specified in section A.III.6 above at least every 5 years; or
 - b. Visually inspect the vessel as specified in section A.III.4.
6. The permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the 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 sections A.III.4 and A.III.5.b and at intervals no greater than 5 years in the case of vessels specified in section A.III.5.a.

7. The permittee keep a record of each inspection performed as required by 40 CFR Part 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).
8. The permittee shall maintain all records, except records specified in section A.III.9, for at least 2 years. Records specified in section A.III.9 shall be kept for the life of the facility.
9. The permittee shall maintain readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.
10. The permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.
11. The permittee shall notify the Administrator of US EPA and the Canton local air agency within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure of the VOL permitted for the storage vessel. Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below.
 - a. For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.
 - b. For crude oil, refined petroleum products, and other liquids, the vapor pressure may be obtained from a source listed in 40 CFR Part 60.116b(e)(2).

IV. Reporting Requirements

1. The permittee shall Notify the Administrator of US EPA and the Canton local air agency in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by sections A.III.3 and A.III.6 to afford the agency the opportunity to have an observer present. If the inspection required by section A.III.6 is not planned and the permittee could not have known about the inspection 30 days in advance or refilling the tank, the permittee shall notify the Administrator and the Canton local air 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 Administrator and the Canton local air agency at least 7 days prior to the refilling.
2. The permittee shall furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR Part 60.112b(a)(1) and Part 60.113b(a)(1). This report shall be an attachment to the notification required by 40 CFR Part 60.7(a)(3).

3. If any of the conditions described in 40 CFR Part 60.113b(a)(2) are detected during the annual visual inspection required by 40 CFR Part 60.113b(a)(2), the permittee shall submit a report to the Administrator of US EPA and the Canton local air agency 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.
4. After each inspection required by 40 CFR Part 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 Part 60.113b(a)(3)(ii), the permittee shall submit a report to the Administrator of US EPA and the Canton local air agency 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 Part 61.112b(a)(1) or 40 CFR Part 60.113b(a)(3) and list each repair made.
5. If a failure detected during inspections required in section A.III.4 and 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 of US EPA in the inspection report required in 40 CFR Part 60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.
6. The permittee shall a deviation report of any period of time when a VOL with a maximum true vapor pressure of 1.508 psia or greater is stored in this emissions unit and the period of time which it is stored.

V. Testing Requirements

1. Compliance with the emission limitations and/or control measures in section A.I.1 and A.I.2 shall be determined in accordance with the following method(s):
 - a. Emission limitation:

4.32 tpy VOC

Applicable compliance method:

Compliance shall be demonstrated by the implementation of the monitoring and record keeping requirements in section A.III.1 and A.III.2.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (T200) - 3.15 mmGallon petroleum liquid storage vessel used to store liquids with a Max. TVP of 1.51 psia, utilizing an IFR, regulated seal system, and submerged fill to control VOC emissions. The company tank designation is no.280.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

Operations, Property, and/or Equipment - (T201) - 3.15 mmgallon liquid petroleum storage vessel for the storage of petroleum liquids with a max. TVP 1.51 psia and utilizing an IFR, submerged fill, and a regulated seal system for the control of VOC emissions. The company tank designation is no. 281.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-02(A)	4.32 tons VOC/year See section A.II.1 and A.I.2.a
40 CFR Part 60, Subpart Kb	See section A.I.2.b
40 CFR Part 60, Subpart GGG	See section A.I.2.f
40 CFR Part 63, Subpart CC	See section A.I.2.f
OAC rule 3745-21-09(L)	See section A.I.2.c

2. Additional Terms and Conditions

- 2.a Permit to Install 15-01677 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):
 - a. Use of a submerged fill line during the tank loading operations;
 - b. Use of an internal floating roof;
 - c. Use of a regulated sealing system as defined under 40 CFR Part 60.112b(a)(1)

Note: 4.32 tons/year is potential to emit for this emission unit.

- 2.b 40 CFR Part 60.112b(a)(1)
The permittee shall employ a fixed roof in combination with an internal floating roof meeting the following specifications:

- i. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
- ii. 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:
 - (1) 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.
 - (2) 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.
 - (3) 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.
- iii. Each opening in a non-contact 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.
- iv. The cover or lid on 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 shall be equipped with a gasket.
- v. Automatic bleeder vents and rim space vents shall be equipped with a gasket.
- vi. 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.
- vii. 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.

- viii Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
- 2.c The requirements of this applicable rule are less stringent than the requirements specified in 40 CFR Part 60, Subpart Kb.
- 2.d The permittee shall not store Volatile Organic or Petroleum liquids with a maximum true vapor pressure, as stored, of 1.508 psia or greater in this emissions unit.
- 2.e The permittee shall repair any of the following items or empty and remove the storage vessel from service within 45 days when they are discovered:
 - i. The internal floating roof is not resting on the surface of the VOL inside the storage vessel; or
 - ii. There is liquid accumulated on the roof; or
 - iii. The seal is detached; or
 - iv. There are holes or tears in the seal fabric.
- 2.f Section 40 CFR Part 60, Subpart GGG regulates Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries. This subpart requires affected equipment and facilities in VOC service to comply with the requirements of 40 CFR, Part 60, Subpart VV. However, pursuant to 40 CFR Part 63.640(p), when there is an overlap of 40 CFR Part 63, subpart CC with other regulations regarding equipment leaks, the permittee shall comply with the equipment leak provisions of 40 CFR Part 60, Subpart VV and 40 CFR Part 63.648(b) for equipment in organic HAP service except as provided in 40 CFR Part 63.648(a)(1), (a)(2), and (c) through (i).
- 2.g 40 CFR Part 63.640(n)(1)
A Group 2 storage vessel that is part of an existing source and is also subject to the provisions of 40 CFR part 60, subpart Kb, is required to comply only with the requirements of 40 CFR part 60, subpart Kb except as provided in 40 CFR Part 63.640(n)(8). The exceptions specified in 40 CFR Part 63.640(n)(8) have been incorporated into this PTI by reference.

II. Operational Restrictions

1. This storage vessel shall employ a submerged fill line during the tank loading operations.
2. The cover or lid on 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 maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.

3. Automatic bleeder vents 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.
4. Rim space vents shall be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.

III. Monitoring and/or Record keeping Requirements

1. The permittee shall maintain records of the actual annual throughput, in either gallons per year or barrels per year for this emissions unit.
2. The permittee shall calculate and maintain records of the annual VOC emissions from this emissions unit. The actual annual throughput recorded for any calendar year shall be the basis for calculating the annual emissions of VOC by using the emissions estimation methodologies provided in the most current version of AP-42 or the most recent version of USEPA's TANKS computer program.
3. The permittee shall visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the permittee shall repair the items before filling the storage vessel.
4. For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, the permittee shall visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill.
5. For vessels equipped with a double-seal system as specified in Sec. 60.112b(a)(1)(ii)(B), the permittee shall:
 - a. Visually inspect the vessel as specified in section A.III.6 above at least every 5 years; or
 - b. Visually inspect the vessel as specified in section A.III.4.
6. The permittee shall visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the 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 sections A.III.4 and A.III.5.b and at intervals no greater than 5 years in the case of vessels specified in section A.III.5.a.

7. The permittee keep a record of each inspection performed as required by 40 CFR Part 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).
8. The permittee shall maintain all records, except records specified in section A.III.9, for at least 2 years. Records specified in section A.III.9 shall be kept for the life of the facility.
9. The permittee shall maintain readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel.
10. The permittee shall maintain a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.
11. The permittee shall notify the Administrator of US EPA and the Canton local air agency within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure of the VOL permitted for the storage vessel. Available data on the storage temperature may be used to determine the maximum true vapor pressure as determined below.
 - a. For vessels operated above or below ambient temperatures, the maximum true vapor pressure is calculated based upon the highest expected calendar-month average of the storage temperature. For vessels operated at ambient temperatures, the maximum true vapor pressure is calculated based upon the maximum local monthly average ambient temperature as reported by the National Weather Service.
 - b. For crude oil, refined petroleum products, and other liquids, the vapor pressure may be obtained from a source listed in 40 CFR Part 60.116b(e)(2).

IV. Reporting Requirements

1. The permittee shall Notify the Administrator of US EPA and the Canton local air agency in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by sections A.III.3 and A.III.6 to afford the agency the opportunity to have an observer present. If the inspection required by section A.III.6 is not planned and the permittee could not have known about the inspection 30 days in advance or refilling the tank, the permittee shall notify the Administrator and the Canton local air 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 Administrator and the Canton local air agency at least 7 days prior to the refilling.
2. The permittee shall furnish the Administrator with a report that describes the control equipment and certifies that the control equipment meets the specifications of 40 CFR Part 60.112b(a)(1) and Part 60.113b(a)(1). This report shall be an attachment to the notification required by 40 CFR Part 60.7(a)(3).

3. If any of the conditions described in 40 CFR Part 60.113b(a)(2) are detected during the annual visual inspection required by 40 CFR Part 60.113b(a)(2), the permittee shall submit a report to the Administrator of US EPA and the Canton local air agency 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.
4. After each inspection required by 40 CFR Part 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 Part 60.113b(a)(3)(ii), the permittee shall submit a report to the Administrator of US EPA and the Canton local air agency 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 Part 61.112b(a)(1) or 40 CFR Part 60.113b(a)(3) and list each repair made.
5. If a failure detected during inspections required in section A.III.4 and 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 of US EPA in the inspection report required in 40 CFR Part 60.115b(a)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.
6. The permittee shall a deviation report of any period of time when a VOL with a maximum true vapor pressure of 1.508 psia or greater is stored in this emissions unit and the period of time which it is stored.

V. Testing Requirements

1. Compliance with the emission limitations and/or control measures in section A.I.1 and A.I.2 shall be determined in accordance with the following method(s):
 - a. Emission limitation:

4.32 tpy VOC

Applicable compliance method:

Compliance shall be demonstrated by the implementation of the monitoring and record keeping requirements in section A.III.1 and A.III.2.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (T201) - 3.15 mmgallon liquid petroleum storage vessel for the storage of petroleum liquids with a max. TVP 1.51 psia and utilizing an IFR, submerged fill, and a regulated seal system for the control of VOC emissions. The company tank designation is no. 281.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None