Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Certified Mail

10/24/2011

Dayee Zhang
MID-VALLEY PIPELINE CO - LIMA
PO BOX 1014
Toledo, OH 43697

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
Yes	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0302000095
Permit Number: P0086605
Permit Type: Renewal
County: Allen

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

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
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPC Web page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

Michael W. Ahern

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

Cc: Ohio EPA-NWDO

50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

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Ohio Environmental Protection Agency

FINAL

Division of Air Pollution Control
Permit-to-Install and Operate
for
MID-VALLEY PIPELINE CO - LIMA

Facility ID:	0302000095
Permit Number:	P0086605
Permit Type:	Renewal
Issued:	10/24/2011
Effective:	10/24/2011
Expiration:	10/24/2021

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install and Operate
for
MID-VALLEY PIPELINE CO - LIMA

Table of Contents

Authorization

Facility ID: 0302000095
Application Number(s): A0017367, A0042432, A0042434
Permit Number: P0086605
Permit Description: Renewal PTIO for emissions units T001 through T016, (crude oil storage tanks).
Permit Type: Renewal
Permit Fee: $0.00
Issue Date: 10/24/2011
Effective Date: 10/24/2011
Expiration Date: 10/24/2021
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

MID-VALLEY PIPELINE CO - LIMA
1101 W BUCKEYE RD
FORT SHAWNEE, OH 45804

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

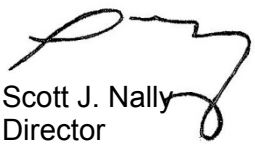
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Scott J. Nally
Director

Authorization (continued)

Permit Number: P0086605
Permit Description: Renewal PTIO for emissions units T001 through T016, (crude oil storage tanks).

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

Emissions Unit ID:	**T001**
Company Equipment ID:	TANK NO. 120
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Group Name: External Floating Roof Tanks

Emissions Unit ID:	**T002**
Company Equipment ID:	Crude Oil Storage Tank #58
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T003**
Company Equipment ID:	Crude Oil Storage Tank #71
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T004**
Company Equipment ID:	Crude Oil Storage Tank #79
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T005**
Company Equipment ID:	Crude Oil Storage Tank #80
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T006**
Company Equipment ID:	Crude Oil Storage Tank #82
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T007**
Company Equipment ID:	Crude Oil Storage Tank #83
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T008**
Company Equipment ID:	Crude Oil Storage Tank #90
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T009**
Company Equipment ID:	Crude Oil Storage Tank #91
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T010**
Company Equipment ID:	Crude Oil Storage Tank #92
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T011**
Company Equipment ID:	Crude Oil Storage Tank #97
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	**T012**
Company Equipment ID:	Crude Oil Storage Tank #104
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T013**
Company Equipment ID:	Crude Oil Storage Tank #109
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T014**
Company Equipment ID:	Crude Oil Storage Tank #112
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T015**
Company Equipment ID:	Crude Oil Storage Tank #113
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**T016**
Company Equipment ID:	Crude Oil Storage Tank #98
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

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

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

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

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

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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

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

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

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

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

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

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

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

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting[1] a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

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

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

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

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

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

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

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

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

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

B. Facility-Wide Terms and Conditions

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

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

      (1) None.

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

      (1) None.

C. Emissions Unit Terms and Conditions

1. T001, Storage Tank

Operations, Property and/or Equipment Description:

Internal Floating Roof Storage Tank for Crude Oil -5,040,000 gallons capacity, tank #120

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific 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	4.42 tons of volatile organic compounds (VOC)/yr See b)(2)n., b)(2)(o), c)(1) and d)(11)
b.	OAC rule 3745-21-09(L)	See b)(2)a. through b)(2)d., d)(1)a. and d)(1)b.
c.	40 CFR, Part 60, Subpart Kb: [In accordance with 40 CFR 60.110b, this emissions unit is an affected source consisting of an organic liquids storage tank,subject to the emissionlimitations/control measuresspecified in this section.] 40 CFR 60.112b 40 CFR 60.113b 40 CFR 60.115b	See Subpart Kb sections below: See b)(2)e. through b)(2)m. See d)(2) through d)(5) and e)(1) See d)(6) through d)(8),e)(2) and e)(3)

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	40 CFR 60.116b	See d)(1)c., d)(9) andd)(10)
d.	40 CFR, Part 60, Subpart A	See 40 CFR 60.1 through 60.19

(2) Additional Terms and Conditions

a. The maximum true vapor pressure of organic liquid stored in this storage tank shall not exceed 11.1 psia.

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

c. The automatic bleeder vents shall be closed at all times, except when the roof isfloated off or landed on the roof leg supports; and the rim vents, if provided, shallbe set to open when the roof is being floated off the roof leg supports or is at themanufacturer's recommended setting.

d. All openings, except stub drains, shall be equipped with a cover, seal or lid,which is in the closed position at all times, except when in actual use for tankgauging or sampling.

e. The internal floating roof shall rest or float on the liquid surface (but notnecessarily in complete contact with it) inside a storage vessel that has a fixedroof. 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 iscompletely emptied or subsequently emptied and refilled. When the roof isresting on the leg supports, the process of filling, emptying, or refilling shall becontinuous and shall be accomplished as rapidly as possible.

f. 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 internalfloating roof:

i. A foam- or liquid-filled seal mounted in contact with the liquid (liquidmountedseal). A liquid-mounted seal means a foam- or liquid-filled sealmounted in contact with the liquid between the wall of the storage vesseland the floating roof continuously around the circumference of the tank.

ii. Two seals mounted one above the other so that each forms a continuousclosure that completely covers the space between the wall of the storagevessel and the edge of the internal floating roof. The lower seal may bevapor-mounted, but both must be continuous.

iii. A mechanical shoe seal. A mechanical shoe seal is a metal sheet heldvertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof.

A flexible coatedfabric (envelope) spans the annular space between the metal sheet andthe floating roof.

g. Each opening in a non contact internal floating roof except for automatic bleedervents (vacuum breaker vents) and the rim space vents is to provide a projectionbelow the liquid surface.

h. Each opening in the internal floating roof except for leg sleeves, automaticbleeder vents, rim space vents, column wells, ladder wells, sample wells, andstub drains is to be equipped with a cover or lid which is to be maintained in aclosed position at all times (i.e., no visible gap) except when the device is inactual use. The cover or lid shall be equipped with a gasket. Covers on eachaccess hatch and automatic gauge float well shall be bolted except when theyare in use.

i. Automatic bleeder vents shall be equipped with a gasket and are to be closed atall times when the roof is floating except when the roof is being floated off or isbeing landed on the roof leg supports.

j. Rim space vents shall be equipped with a gasket and are to be set to open onlywhen the internal floating roof is not floating or at the manufacturer'srecommended setting.

k. Each penetration of the internal floating roof for the purpose of sampling shall bea sample well. The sample well shall have a slit fabric cover that covers at least90 percent of the opening.

l. Each penetration of the internal floating roof that allows for passage of a columnsupporting the fixed roof shall have a flexible fabric sleeve seal or a gasketedsliding cover.

m. Each penetration of the internal floating roof that allows for passage of a laddershall have a gasketed sliding cover.

n. Best Available Technology (BAT) control requirements for this emissions unit hasbeen determined to be use of submerged fill.

o. The requirements of this rule also include compliance with the requirements ofOAC rule 3745-21-09(L) and 40 CFR, Part 60, Subpart Kb.

c) Operational Restrictions

(1) The permittee shall not exceed a maximum annual crude oil throughput rate of 770,000,000 gallons.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain records of the following information:

a. The types of petroleum liquids stored in the tank.

b. The maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0pound per square inch absolute.

c. Available data on the storage temperature may be used to determine themaximum true vapor pressure as in the following:

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

ii. For crude oil or refined petroleum products the vapor pressure may beobtained by the following:

(a) Available data on the Reid vapor pressure and the maximumexpected storage temperature based on the highest expectedcalendar-month average temperature of the stored product may beused to determine the maximum true vapor pressure fromnomographs contained in API Bulletin 2517 (incorporated byreference--see Sec. 60.17), unless the Administrator specificallyrequests that the liquid be sampled, the actual storage temperaturedetermined, and the Reid vapor pressure determined from thesample(s).

(b) The true vapor pressure of each type of crude oil with a Reid vaporpressure less than 13.8 kPa or with physical properties thatpreclude determination by the recommended method is to bedetermined from available data and recorded if the estimatedmaximum true vapor pressure is greater than 3.5 kPa.

iii. For other liquids, the vapor pressure:

(a) May be obtained from standard reference texts, or

(b) Determined by ASTM Method D2879-83 (incorporated by reference--see Sec. 60.17); or

(c) Measured by an appropriate method approved by the Administrator; or

(d) Calculated by an appropriate method approved by the Administrator.

(2) Visually inspect the internal floating roof, the primary seal, and the secondary seal (ifone 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 defectsin the internal floating roof, or both, the permittee shall repair the items before filling thestorage vessel.

(3) For vessels equipped with a liquid-mounted or mechanical shoe primary seal, visuallyinspect the internal floating roof and the primary seal or the secondary seal (if one is inservice) through manholes and roof hatches on the fixed roof at least once every 12months after initial fill. If the internal floating roof is not resting on the surface of theVOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal isdetached, or there are holes or tears in the seal fabric, the permittee shall repair theitems or empty and remove the storage vessel from service within 45 days. If a failurethat is detected during inspections required in this paragraph cannot be repaired within45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may berequested from the Administrator in the inspection report required in e)(3). Such arequest for an extension must document that alternate storage capacity is unavailableand specify a schedule of actions the company will take that will assure that the controlequipment will be repaired or the vessel will be emptied as soon as possible.

(4) For vessels equipped with a double-seal system as specified in b)(2)f.ii.:

a. Visually inspect the vessel as specified in d)(5) at least every 5 years; or

b. Visually inspect the vessel as specified in d)(3).

(5) Visually inspect the internal floating roof, the primary seal, the secondary seal (if one isin service), gaskets, slotted membranes and sleeve seals (if any) each time the storagevessel is emptied and degassed. If the internal floating roof has defects, the primaryseal has holes, tears, or other openings in the seal or the seal fabric, or the secondaryseal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets nolonger close off the liquid surfaces from the atmosphere, or the slotted membrane hasmore than 10 percent open area, the permittee shall repair the items as necessary sothat none of the conditions specified in this paragraph exist before refilling the storagevessel with VOL. In no event shall inspections conducted in accordance with thisprovision occur at intervals greater than 10 years in the case of vessels conducting theannual visual inspection as specified in d)(3) and d)(4)b. and at intervals no greaterthan 5 years in the case of vessels specified in d)(4)a.

(6) The permittee shall keep copies of all reports and records required in e)(2), e)(3),and e)(4), for at least 2 years.

(7) Keep a record of each inspection performed as required by d)(2), d)(3), d(4), and d)(5). Each record shall identify the storage vessel on which the inspection wasperformed and shall contain the date the vessel was inspected and the observedcondition of each component of the control equipment (seals, internal floating roof, andfittings).

(8) The permittee shall keep copies of all records required by d)(2) through d)(10), excluding d)(9), for at least 2 years.

(9) The permittee shall keep readily accessible records showing the dimension of thestorage vessel and an analysis showing the capacity of the storage vessel (shall bekept for the life of the source).

(10) The permittee of each vessel storing a waste mixture of indeterminate or variablecomposition shall be subject to the following requirements.

a. Prior to the initial filling of the vessel, the highest maximum true vapor pressurefor the range of anticipated liquid compositions to be stored will be determinedusing the methods described in d)(1)c.

b. For vessels in which the vapor pressure of the anticipated liquid composition isabove 76.6 kPa (11.1 psia), an initial physical test of the vapor pressure isrequired; and a physical test at least once every 6 months thereafter is requiredas determined by the following methods:

i. ASTM Method D2879-83 (incorporated by reference--see 40 CFR. 60.17);or

ii. ASTM Method D323-82 (incorporated by reference--see 40 CFR 60.17); or

iii. As measured by an appropriate method as approved by the Administrator.

(11) The permittee shall maintain records of the annual throughput of crude oil stored in the tank.

e) Reporting Requirements

(1) Notify the Administrator in writing at least 30 days prior to the filling or refilling of eachstorage vessel for which an inspection is required by d)(2) and d)(5) to afford theAdministrator the opportunity to have an observer present. If the inspection required by d)(5) is not planned and the permittee could not have known about the inspection 30days in advance or refilling the tank, the permittee shall notify the Administrator at least7 days prior to the refilling of the storage vessel. Notification shall be made bytelephone immediately followed by written documentation demonstrating why theinspection was unplanned. Alternatively, this notification including the writtendocumentation may be made in writing and sent by express mail so that it is receivedby the Administrator at least 7 days prior to the refilling.

(2) If any of the conditions described in d)(3) are detected during the annual visual inspection required by d)(3), a report shall be furnished to the Administrator within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.

(3) After each inspection required by d)(4) 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 d)(4)b., a report shall be furnished to the Administrator within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of b)(2)e. through b)(2)m. or d)(4) and list each repair made.

(4) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA, Northwest District Office by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-

Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

f) Testing Requirements

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

a. Emission Limitation:

4.42 tons VOC/yr

Applicable Compliance Method:

The permittee shall demonstrate compliance by working and breathing losscalculations as determined by the most recent version of the U.S. EPA TANKS program.

g) Miscellaneous Requirements

(1) None.

2. Emissions Unit Group -External Floating Roof Tanks: T002,T003,T004,T005,T006,T007,T008,T009,T010,T011,T012,T013,T014,T015,T016

EU ID	Operations, Property and/or Equipment Description
T002	External Floating Roof Storage Tank for Crude Oil – 1,470,000 gallons capacity, Tank #58
T003	External Floating Roof Storage Tank for Crude Oil – 1,470,000 gallons capacity, Tank #71
T004	External Floating Roof Storage Tank for Crude Oil – 2,310,000 gallons capacity, Tank #79
T005	External Floating Roof Storage Tank for Crude Oil – 2,310,000 gallons capacity, Tank #80
T006	External Floating Roof Storage Tank for Crude Oil – 2,310,000 gallons capacity, Tank #82
T007	External Floating Roof Storage Tank for Crude Oil – 2,310,000 gallons capacity, Tank #83
T008	External Floating Roof Storage Tank for Crude Oil – 3,360,000 gallons capacity, Tank #90
T009	External Floating Roof Storage Tank for Crude Oil – 3,360,000 gallons capacity, Tank #91
T010	External Floating Roof Storage Tank for Crude Oil – 3,360,000 gallons capacity, Tank #92
T011	External Floating Roof Storage Tank for Crude Oil – 3,360,000 gallons capacity, Tank #97
T012	External Floating Roof Storage Tank for Crude Oil – 4,032,000 gallons capacity, Tank #104
T013	External Floating Roof Storage Tank for Crude Oil – 4,032,000 gallons capacity, Tank #109
T014	External Floating Roof Storage Tank for Crude Oil – 4,032,000 gallons capacity, Tank #112
T015	External Floating Roof Storage Tank for Crude Oil – 4,032,000 gallons capacity, Tank #113
T016	External Floating Roof Storage Tank for Crude Oil – 3,360,000 gallons capacity, Tank #98

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(Z)	See b)(2)a. through b)(2)g., d)(1), d)(2), and e)(1)

(2) Additional Terms and Conditions

a. Any welded external floating roof storage tank equipped with a liquid-mounted primary seal and rim-mounted secondary seal, a mechanical shoe primary seal and a rim-mounted secondary seal, a mechanical shoe primary seal and a shoe-mounted, secondary seal, and the shoe-mounted secondary seal was installed prior to 1/10/81, a vapor-mounted primary seal and a rim-mounted secondary seal, and the vapor-mounted primary seal was installed prior to 1/01/81, or a flexible wiper primary seal and a rim-mounted secondary seal, and the flexible wiper primary seal was installed prior to 1/01/81 shall meet the following requirements:

i. There shall be no visible holes, tears, or other openings in the seal or seal fabric.

ii. For the primary seal, the total seal gap area shall not exceed 10.0 square inches per foot of tank diameter.

iii. For the secondary seal, the total seal gap area shall not exceed 1.0 square inch per foot of tank diameter.

The permittee may change the seal types during the term of this permit provided that a written notification and revised "emission activity category" form, including the results of the latest seal gap measurements, are submitted to the Ohio EPA, Northwest District Officewithin 30 days after the change occurs.

b. Any opening in the external floating roof, except automatic bleeder vents, rim space vents, leg sleeves, stub drains and slotted gauging/sampling wells, shall be equipped with:

i. A cover, seal or lid which remains in the closed position at all times without any visible gaps, except when the opening is in actual use.

ii. A projection into the tank below the liquid surface.

c. Any automatic bleeder vent shall remain in the closed position, except when the external floating roof is floated off or landed on the roof leg supports.

d. Any rim vent shall be set to open at the manufacturer's recommended setting, except when the external floating roof is being floated off the roof leg supports.

e. Any emergency roof drain shall be equipped with a slotted membrane fabric cover or other device which covers at least 90 percent of the area of the opening.

f. Any stub drain shall be equipped with a projection into the tank below the liquid surface.

g. Any slotted gauging/sampling well shall be equipped with an object which floats on the liquid surface within the well and which covers at least 90 percent of the area of the well opening.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The seal and seal fabric shall be inspected annually for visible holes, tears, or other openings.

(2) The permittee shall maintain records of the following information:

a. the dates and results of any seal and seal fabric inspections and any seal gap measurements;

b. the types of petroleum liquids stored in the tank;

c. the annual throughput of any petroleum liquid stored in the tank; and

d. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

e) Reporting Requirements

(1) The permittee shall notify the Director (Ohio EPA, Northwest District Office) within 30 days of any seal and seal fabric inspection or any seal gap measurement which documents a violation of the applicable control equipment requirements. The notification shall also describe the corrective actions which have been or will be taken to achieve compliance.

(2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA, Northwest District Office by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

f) Testing Requirements

(1) None.

g) Miscellaneous Requirements

(1) None.