



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

9/3/2015

Certified Mail

Hondo Hanagan
Kensington Processing Plant
1099 Main Avenue
Suite 210
Durango, CO 81301

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0215002002
Permit Number: P0117354
Permit Type: Initial Installation
County: Columbiana

Dear Permit Holder:

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

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

How to appeal this permit

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

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

How to save money, reduce pollution and reduce energy consumption

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

How to give us feedback on your permitting experience

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

How to get an electronic copy of your permit

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

If you have any questions, please contact Ohio EPA DAPC, Northeast District Office at (330)963-1200 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael E. Hopkins, P.E.
Assistant Chief, Permitting Section, DAPC

Cc: Ohio EPA-NEDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Kensington Processing Plant**

Facility ID:	0215002002
Permit Number:	P0117354
Permit Type:	Initial Installation
Issued:	9/3/2015
Effective:	9/3/2015
Expiration:	9/3/2025



Division of Air Pollution Control
Permit-to-Install and Operate
for
Kensington Processing Plant

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Final Permit-to-Install and Operate
Kensington Processing Plant
Permit Number: P0117354
Facility ID: 0215002002
Effective Date: 9/3/2015

Authorization

Facility ID: 0215002002
Application Number(s): A0051315, A0053103
Permit Number: P0117354
Permit Description: Installation permit at an oil and gas processing plant for several new units and a few that were not previously permitted separately because they were grouped with other units.
Permit Type: Initial Installation
Permit Fee: \$3,300.00
Issue Date: 9/3/2015
Effective Date: 9/3/2015
Expiration Date: 9/3/2025
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Kensington Processing Plant
11543 SR 644
Kensington, OH 44427

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

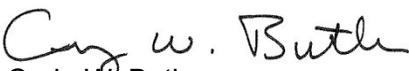
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087
(330)963-1200

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


Craig W. Butler
Director



Authorization (continued)

Permit Number: P0117354

Permit Description: Installation permit at an oil and gas processing plant for several new units and a few that were not previously permitted separately because they were grouped with other units.

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

- | | |
|-----------------------------------|-------------------------------|
| Emissions Unit ID: | P002 |
| Company Equipment ID: | Blowdowns |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | P003 |
| Company Equipment ID: | ClosedDrainDrum |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | P004 |
| Company Equipment ID: | CryoDrainDrum |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | P005 |
| Company Equipment ID: | GC Sample Return Vent |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | P011 |
| Company Equipment ID: | HP Stabilizer Emergency Flare |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |
| Emissions Unit ID: | P013 |
| Company Equipment ID: | Tank Flare |
| Superseded Permit Number: | |
| General Permit Category and Type: | Not Applicable |

Group Name: Condensate storage tanks

Emissions Unit ID:	T002
Company Equipment ID:	CS Tank1
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T003
Company Equipment ID:	CS Tank2
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T004
Company Equipment ID:	CS Tank3
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T005
Company Equipment ID:	CS Tank4
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



Emissions Unit ID:	T011
Company Equipment ID:	CS2 Tank1
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T012
Company Equipment ID:	CS2 Tank2
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T013
Company Equipment ID:	CS2 Tank3
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T014
Company Equipment ID:	CS2 Tank4
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T015
Company Equipment ID:	CS2 Tank5
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T016
Company Equipment ID:	CS2 Tank6
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T017
Company Equipment ID:	CS2 Tank7
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T018
Company Equipment ID:	CS2 Tank8
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T019
Company Equipment ID:	CS2 Tank9
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	T020
Company Equipment ID:	CS2 Tank10
Superseded Permit Number:	
General Permit Category andType:	Not Applicable



Final Permit-to-Install and Operate
Kensington Processing Plant
Permit Number: P0117354
Facility ID: 0215002002
Effective Date: 9/3/2015

A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

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

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

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

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

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

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

7. What reports must I submit under this permit?

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

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

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions of this permit 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 [DO/LAA] in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

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

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

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

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

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

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

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

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

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

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

change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

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

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

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

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



Final Permit-to-Install and Operate
Kensington Processing Plant
Permit Number: P0117354
Facility ID: 0215002002
Effective Date: 9/3/2015

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.
2. The following emissions units contained in this permit are subject to 40 CFR Part 60, Subpart OOOO, Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution: P003, P004, P011, P013, T002 – T005 and T011 – T020. The complete New Source Performance Standards (NSPS) requirements, including the NSPS General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Ohio EPA Northeast District Office.
3. Air contaminant sources that qualify as de minimis under OAC rule 3745-15-05, or are exempt under OAC rule 3745-31-03(A)(1) or (4) are not subject to emission standards established within this permit. Although this permit does not apply to de minimis or exempt sources, emissions from de minimis or exempt sources must be included in the total potential to emit (PTE) calculations for this permit. PTE calculations should include sources such as:
 - a) Cryo Unit Hot Oil Heaters 1 -2, B001-B002 (Permit-by-rule – PBR ID PBR09705),
 - b) Mol Sieve Regen Gas Heaters 1-3, B004-B006 (Permit-by-rule – PBR ID PBR09705),
 - c) 8.7 mmBtu/hr Condensate Stabilizer Reboiler, B007 (exempt per OAC rule 3745-31-03(A)(1)(a)),
 - d) Skim oil tank, T006 (de minimis per OAC rule 3745-15-05),
 - e) Methanol storage tank, T007 (de minimis per OAC rule 3745-15-05),
 - f) Open drain water tank, T008 (de minimis per OAC rule 3745-15-05),
 - g) Slop oil tank, T009 (de minimis per OAC rule 3745-15-05),
 - h) Truck Loading Rack, J001 (de minimis with controls per OAC rule 3745-15-05),
 - i) Amine Storage Tank, T021 (de minimis per OAC rule 3745-15-05),
 - j) Amine Drain Drum, P009 (de minimis per OAC rule 3745-15-05), and
 - k) Amine Process Unit, P012 (de minimis per OAC rule 3745-15-05).



Final Permit-to-Install and Operate
Kensington Processing Plant
Permit Number: P0117354
Facility ID: 0215002002
Effective Date: 9/3/2015

C. Emissions Unit Terms and Conditions

1. P002, Blowdowns

Operations, Property and/or Equipment Description:

MP Stabilizer, Residue and Inlet compressor blowdowns for maintenance controlled by the 11.55 mmBtu/hr HP Flare (P001). HP Stabilizer compressor blowdowns for maintenance controlled by the 1.2 mmBtu/hr HP Stabilizer Flare (P011).

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.	ORC 3704.03(T)	Install a flare that is designed to meet 98% control efficiency of VOC emissions. See b)(2)a.

(2) Additional Terms and Conditions

a. The emissions from the Residue, Inlet, HP and MP Stabilizer compressor maintenance blowdowns shall be vented to the flare at all times the emissions unit is in operation. The flare shall have a minimum destruction efficiency of 98%. See emissions units P001 and P011 for flare requirements.

c) Operational Restrictions

(1) The permittee shall minimize the frequency and size of blowdown events by conducting routine operation and maintenance activities in a manner consistent with safety and good air pollution control practices.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain the following records on a monthly basis:

- a. Number of each type of maintenance blowdown event;
- b. Total estimated volume of gas emitted from each type of maintenance blowdown event; and
- c. Total estimated volume of gas emitted from all maintenance blowdown events.

e) Reporting Requirements

(1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.

(2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.

f) Testing Requirements

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

a. Emissions Limitation:

Install an open flare that is designed to meet 98% control efficiency of VOC emissions.

Applicable Compliance Method:

Compliance is demonstrated by the manufacturer's guaranteed specifications for the flare control efficiency of at least 98% as detailed in emissions unit P001.

g) Miscellaneous Requirements

(1) None.

2. P003, Closed Drain Drum

Operations, Property and/or Equipment Description:

Closed Drain Drum controlled by the 11.55 mmBtu/hr HP Flare (P001)

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(A)(3) June 30, 2008	Install an open flare that is designed to meet 98% control efficiency of VOC emissions. See b)(2)a. and b)(2)d. The requirements of this rule include compliance with the applicable requirements of 40 CFR Part 60, Subpart OOOO.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) June 30, 2008	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC emissions from this air contaminant source since the potential to emit is less than 10 tons/year. See b)(2)b.
c.	OAC rule 3745-21-09(L)(2)(b)	See b)(2)c.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
d.	40 CFR Part 60, Subpart OOOO, Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution (60.5360-60.5430) [In accordance with 40 CFR 60.5365, this emissions unit includes a storage vessel affected facility.]	Following the compliance date of April 15, 2014, or 30 days after startup, each Group 2 storage vessel constructed, modified, or reconstructed after August 23, 2011 and with VOC emissions calculated to equal or exceed 6 tons per year, shall reduce VOC emissions by 95.0%. See c)(1), d)(1) and e)(3).
e.	40 CFR Part 60.1 through 60.19	The General Provisions that apply are specified in Table 3 of 40 CFR Part 60, Subpart OOOO.

(2) Additional Terms and Conditions

- a. The Best Available Technology (BAT) emission limit applies until U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) into the Ohio State Implementation Plan (SIP).

Since the BAT design control efficiency of 98% allows the permittee to calculate potential emissions below Title V thresholds, if in the future U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP, then the permittee shall recalculate potential emissions using a rule-based control efficiency and apply for a permit modification if necessary.

- b. These requirements apply once U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.
- c. A fixed roof tank meeting one of the following criteria is exempt from installing an internal floating roof or other control device and is not subject to the requirements identified in OAC rule 3745-21-09(L):
- i. a fixed roof tank with a capacity of less than 40,000 gallons; or
 - ii. a fixed roof tank used to store crude oil and condensate prior to lease custody transfer and with a capacity of less than 422,000 gallons; or
 - iii. a fixed roof tank that stores a petroleum liquid with a true vapor pressure less than or equal to 1.52 pounds per square inch absolute.

If not meeting one of these exemptions the storage vessel shall be installed to comply with the control requirements of OAC rule 3745-21-09(L).

d. The emissions from the Closed Drain Drum shall be vented to the flare at all times the emissions unit is in operation. The flare shall have a minimum destruction efficiency of 98%. See emissions unit P001 for flare requirements.

c) Operational Restrictions

(1) The permittee shall comply with the applicable restrictions required under 40 CFR Part 60, Subpart OOOO, including the following sections:

60.5395(a), (c), and (d), 60.5410(h) and 60.5415(e)(3)	Operate the flare to achieve a 95% reduction of emissions of VOC from each Group 2 storage vessel emitting more than 6 TPY. Emissions are to be determined per 60.5365(e).
60.5395(c) and (e) and 60.5411(b)	Equip the storage tanks with a cover connected through a closed vent system to the flare. The cover and all openings in the cover must form a continuous barrier over the entire surface area of the liquid in the storage vessel and must be secured in a closed, sealed position whenever material is stored in the storage vessels except as provided by 60.5411(b)(2).
60.5411(b)(3)	Each storage vessel thief hatch shall be weighted and properly sealed.
60.5412(d)(3)	Operate control device used to comply with the provisions of 60.5395 at all times when emissions may be vented to it.
60.5411(c)(2)	Design and operate the closed vent system with no detectable emissions.
60.5411(c)(3)	Any valves associated with the closed vent system that are capable of diverting all or a portion of the emissions away from the flare must be equipped with bypass flow monitors or must be secured in the non-diverting position using a car-seal or a lock-and-key type configuration. Low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, and safety devices are not subject to this requirement.
60.5416(c)(4), (5), (6), and (7)	Repair all leaks detected from the closed vent system or cover as soon as practicable. First attempt at repair must be made no later than 5 calendar days after detection, and repair must be completed no later than 30 calendar days after detection, except as provided by rule (e.g., delay of repair, unsafe to inspect, difficult to inspect).

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall comply with the applicable monitoring and record keeping requirements under 40 CFR Part 60, Subpart OOOO, including the following sections:

60.5416(c)(1)	Conduct an inspection of each closed vent system at least once every calendar month. Conduct olfactory, visual and auditory inspections for defects that could result in air emissions. Monthly inspections must be separated by at least 14 calendar days.
60.5416(c)(2)	Conduct an inspection of each cover at least once every calendar month. Conduct olfactory, visual and auditory inspections for defects that could result in air emissions. Monthly inspections must be separated by at least 14 calendar days.
60.5416(c)(3)	Either set the flow indicator to sound an alarm at the inlet to the bypass device when the stream is being diverted away from the control device, or visually inspect all bypass valves secured in the non-diverting position at least once a month to verify that valve remains in the non-diverting position.
60.5420(c)(5)(ii)	Maintain required records for each VOC emissions determination including identification of the model or calculation methodology.
60.5420(c)(5)(iii)	Maintain required records for deviations.
60.5416(c)(1), 60.5420(c)(5)(i) and 60.5420(c)(6)	Maintain required records for inspections of closed vent systems.
60.5416(c)(2), 60.5420(c)(5)(i) and 60.5420(c)(7)	Maintain required records for inspections of storage vessel covers.
60.5416(c)(3), 60.5420(c)(5)(i) and 60.5420(c)(8)	Maintain required records for inspections of bypass valves.
60.5420(c)(5)(v)	Maintain required records of the identification and location of each storage vessel affected facility.
60.5420(c)(5)(i) and 60.5416(c)(6)(ii)	Maintain a written plan for unsafe to inspect parts.
60.5420(c)(5)(i) and 60.5416(c)(7)(ii)	Maintain a written plan for difficult to inspect parts.
60.5421(b)	Maintain required records for pressure relief devices.

- (2) The permittee shall record the annual throughput of each tank in gallons per year. The permittee shall keep records of U.S. EPA TANKS software program and/or other process simulation program calculations used to demonstrate annual storage tank and process vent emissions. These records shall be maintained for at least 5 years and shall be made available to the Director or his representative upon verbal or written request.

e) Reporting Requirements

- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.

- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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.
- (3) The permittee shall comply with the applicable reporting requirements under 40 CFR Part 60, Subpart OOOO, including the following sections:

60.5420(a)(1)	Initial notifications required in 60.7(a)(1), (3) and (4) are not required for storage vessels.
60.5410(h)(4) and 60.5420(b)	Submit the required information for storage vessels in the initial annual report within 90 days of the end of the initial compliance period and in the subsequent reports due the same date each year as the initial annual report.
60.5422	Submit the required information for pressure relief devices.

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:
 Install an open flare that is designed to meet 98% control efficiency of VOC emissions

Applicable Compliance Method:
 Compliance is demonstrated by the manufacturer's guaranteed specifications for the flare control efficiency of at least 98% as detailed in emissions unit P001.

g) Miscellaneous Requirements

- (1) Any amendment to 40 CFR Part 60, Subpart OOOO shall supersede the compliance limitations and/or options contained in this permit.

3. P004, Cryo Drain Drum

Operations, Property and/or Equipment Description:

Cryo Drain Drum controlled by the 11.55 mmBtu/hr HP Flare (P001).

- 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(A)(3) June 30, 2008	Install an open flare that is designed to meet 98% control efficiency of VOC emissions. See b)(2)a. and b)(2)d.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) June 30, 2008	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC emissions from this air contaminant source since the potential to emit is less than 10 tons/year. See b)(2)b.
c.	OAC rule 3745-21-09(L)(2)(b)	See b)(2)c.
d.	40 CFR Part 60, Subpart OOOO, Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution (60.5360-60.5430)	Following the compliance date of April 15, 2014, or 30 days after startup, each Group 2 storage vessel constructed, modified, or reconstructed after August 23, 2011 and with VOC emissions

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	[In accordance with 40 CFR 60.5365, this emissions unit includes a storage vessel affected facility.]	calculated to equal or exceed 6 tons per year, shall reduce VOC emissions by 95.0%. See c)(1), d)(1) and e)(3).
e.	40 CFR Part 60.1 through 60.19	The General Provisions that apply are specified in Table 3 of 40 CFR Part 60, Subpart OOOO.

(2) Additional Terms and Conditions

- a. The Best Available Technology (BAT) emission limit applies until U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) into the Ohio State Implementation Plan (SIP).

Since the BAT design control efficiency of 98% allows the permittee to calculate potential emissions below Title V thresholds, if in the future U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP, then the permittee shall recalculate potential emissions using a rule-based control efficiency and apply for a permit modification if necessary.

- b. These requirements apply once U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.
- c. A fixed roof tank meeting one of the following criteria is exempt from installing an internal floating roof or other control device and is not subject to the requirements identified in OAC rule 3745-21-09(L):
- i. a fixed roof tank with a capacity of less than 40,000 gallons; or
 - ii. a fixed roof tank used to store crude oil and condensate prior to lease custody transfer and with a capacity of less than 422,000 gallons; or
 - iii. a fixed roof tank that stores a petroleum liquid with a true vapor pressure less than or equal to 1.52 pounds per square inch absolute.

If not meeting one of these exemptions the storage vessel shall be installed to comply with the control requirements of OAC rule 3745-21-09(L).

- d. The emissions from the Cryo Drain Drum shall be vented to the flare at all times the emissions unit is in operation. The flare shall have a minimum destruction efficiency of 98%. See emissions unit P001 for flare requirements.

c) Operational Restrictions

- (1) The permittee shall comply with the applicable restrictions required under 40 CFR Part 60, Subpart OOOO, including the following sections:

60.5395(a), (c), and (d), 60.5410(h) and 60.5415(e)(3)	Operate the flare to achieve a 95% reduction of emissions of VOC from each Group 2 storage vessel emitting more than 6 TPY. Emissions are to be determined per 60.5365(e).
60.5395(c) and (e) and 60.5411(b)	Equip the storage tanks with a cover connected through a closed vent system to the flare. The cover and all openings in the cover must form a continuous barrier over the entire surface area of the liquid in the storage vessel and must be secured in a closed, sealed position whenever material is stored in the storage vessels except as provided by 60.5411(b)(2).
60.5411(b)(3)	Each storage vessel thief hatch shall be weighted and properly sealed.
60.5412(d)(3)	Operate control device used to comply with the provisions of 60.5395 at all times when emissions may be vented to it.
60.5411(c)(2)	Design and operate the closed vent system with no detectable emissions.
60.5411(c)(3)	Any valves associated with the closed vent system that are capable of diverting all or a portion of the emissions away from the flare must be equipped with bypass flow monitors or must be secured in the non-diverting position using a car-seal or a lock-and-key type configuration. Low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, and safety devices are not subject to this requirement.
60.5416(c)(4), (5), (6), and (7)	Repair all leaks detected from the closed vent system or cover as soon as practicable. First attempt at repair must be made no later than 5 calendar days after detection, and repair must be completed no later than 30 calendar days after detection, except as provided by rule (e.g., delay of repair, unsafe to inspect, difficult to inspect).

*The permittee may choose to comply with any alternative standards provided in 40 CFR Part 60, Subparts A and OOOO.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall comply with the applicable monitoring and record keeping requirements under 40 CFR Part 60, Subpart OOOO, including the following sections:

60.5416(c)(1)	Conduct an inspection of each closed vent system at least once every calendar month. Conduct olfactory, visual and auditory inspections for defects that could result in air emissions. Monthly inspections must be separated by at least 14 calendar days.
60.5416(c)(2)	Conduct an inspection of each cover at least once every calendar month. Conduct olfactory, visual and auditory inspections for defects that could result in air emissions. Monthly inspections must be separated by at least 14 calendar days.
60.5416(c)(3)	Either set the flow indicator to sound an alarm at the inlet to the bypass device when the stream is being diverted away from the control device, or visually inspect all bypass valves secured in the non-diverting position at least once a month to verify that valve remains in the non-diverting position.
60.5420(c)(5)(ii)	Maintain required records for each VOC emissions determination including identification of the model or calculation methodology.
60.5420(c)(5)(iii)	Maintain required records for deviations.
60.5416(c)(1), 60.5420(c)(5)(i) and 60.5420(c)(6)	Maintain required records for inspections of closed vent systems.
60.5416(c)(2), 60.5420(c)(5)(i) and 60.5420(c)(7)	Maintain required records for inspections of storage vessel covers.
60.5416(c)(3), 60.5420(c)(5)(i) and 60.5420(c)(8)	Maintain required records for inspections of bypass valves.
60.5420(c)(5)(v)	Maintain required records of the identification and location of each storage vessel affected facility.
60.5420(c)(5)(i) and 60.5416(c)(6)(ii)	Maintain a written plan for unsafe to inspect parts.
60.5420(c)(5)(i) and 60.5416(c)(7)(ii)	Maintain a written plan for difficult to inspect parts.
60.5421(b)	Maintain required records for pressure relief devices.

(2) The permittee shall record the annual throughput of each tank in gallons per year. The permittee shall keep records of U.S. EPA TANKS software program and/or other process simulation program calculations used to demonstrate annual storage tank and process vent emissions. These records shall be maintained for at least 5 years and shall be made available to the Director or his representative upon verbal or written request.

e) Reporting Requirements

- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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.
- (3) The permittee shall comply with the applicable reporting requirements under 40 CFR Part 60, Subpart OOOO, including the following sections:

60.5420(a)(1)	Initial notifications required in 60.7(a)(1), (3) and (4) are not required for storage vessels.
60.5410(h)(4) and 60.5420(b)	Submit the required information for storage vessels in the initial annual report within 90 days of the end of the initial compliance period and in the subsequent reports due the same date each year as the initial annual report.
60.5422	Submit the required information for pressure relief devices.

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:
 Install an open flare that is designed to meet 98% control efficiency of VOC emissions

Applicable Compliance Method:
 Compliance is demonstrated by the manufacturer's guaranteed specifications for the flare control efficiency of at least 98% as detailed in emissions unit P001.

g) Miscellaneous Requirements

- (1) Any amendment to 40 CFR Part 60, Subpart OOOO shall supersede the compliance limitations and/or options contained in this permit.

4. P005, GC Sample Return Vent

Operations, Property and/or Equipment Description:

Gas Chromatograph (GC) Sample Return Vent controlled by the 11.55 mmBtu/hr HP Flare (P001).

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.	ORC 3704.03(T)	Install an open flare that is designed to meet 98% control efficiency of VOC emissions. See b)(2)a.

(2) Additional Terms and Conditions

a. The emissions from the venting of the Gas Chromatograph sample loop return lines shall be vented to the flare at all times the emissions unit is in operation. The flare shall have a minimum destruction efficiency of 98%. See emissions unit P001 for flare requirements.

c) Operational Restrictions

(1) None.

- d) Monitoring and/or Recordkeeping Requirements
 - (1) None.
- e) Reporting Requirements
 - (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
 - (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- f) Testing Requirements
 - (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emissions Limitation:

Install an open flare that is designed to meet 98% control efficiency of VOC emissions.

Applicable Compliance Method:

Compliance is demonstrated by the manufacturer's guaranteed specifications for the flare control efficiency of at least 98% as detailed in emissions unit P001.
- g) Miscellaneous Requirements
 - (1) None.

5. P011, HP Stabilizer Flare

Operations, Property and/or Equipment Description:

High Pressure (HP) Stabilizer emergency Flare - Air-assisted open flare with a heat input capacity of 1.2 mmBtu/hr during normal operations used to control the following emission sources: HP Stabilizer compressor maintenance and emergency blowdowns and the compressor scrubber dump.

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(A)(3) June 30, 2008	Nitrogen oxides (NO _x) emissions shall not exceed 0.03 tonper month averaged over a twelve-month, rolling period. Carbon monoxide (CO) emissions shall not exceed 0.16 tonper month averaged over a twelve-month, rolling period. Volatile organic compound (VOC) emissions shall not exceed 0.10 tonper month averaged over a twelve-month, rolling period. See b)(2)a.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) June 30, 2008	The Best Available Technology (BAT) requirements under OAC rule 3745-31-

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		05(A)(3) do not apply to the NO _x , CO and VOC emissions from this air contaminant source since the potential to emit is less than 10 tons/year. See b)(2)b.
c.	40 CFR Part 60, Subpart OOOO: Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution (60.5360-60.5430) [In accordance with 40 CFR 60.5400, this emissions unit consists of a flare used to control leaks from pressure relief devices in a process unit in an onshore natural gas processing plant.] 40 CFR Part 60, Subpart VVa: Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry (SOCMI) for which construction, reconstruction, or modification commenced after November 7, 2006. (40 CFR 60.18, 60.5400, 60.482-1a(a), (b), and (d), 60.482-10a)	The facility is subject to the applicable requirements of Subpart VVa for equipment leaks of VOC at a facility which commenced construction after August 23, 2011 per 60.5400 of Subpart OOOO. See b(2)c, b)(2)d, c)(3), d)(6) and e)(4).
d.	40 CFR Part 60.1 through 60.19	The General Provisions that apply are specified in Table 3 of 40 CFR Part 60, Subpart OOOO.
e.	OAC rule 3745-17-07(A)	See b)(2)e.
f.	OAC rule 3745-17-11(B)	See b)(2)f.

(2) Additional Terms and Conditions

- a. The Best Available Technology (BAT) emission limit applies until U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) into the Ohio State Implementation Plan (SIP).

Since the BAT design control efficiency of 98% allows the permittee to calculate potential emissions below Title V thresholds, if in the future U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP, then the permittee shall recalculate potential

emissions using a rule-based control efficiency and apply for a permit modification if necessary.

- b. These requirements apply once U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.
- c. No later than October 15, 2012 or upon startup, the permittee shall demonstrate compliance with the applicable requirements of 40 CFR 60.482-1a(a), (b), and (d), 60.482-2a, and 60.482-4a through 60.482-11a, except as provided in 60.5401.
- d. Equipment that is in vacuum service is excluded from the requirements of 40 CFR 60.482-2a to 60.482-10a if it is identified as required in 40 CFR 60.486a(e)(5).
- e. The emissions from the flare are exempt from the visible PE limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.
- f. The uncontrolled mass rate of PE from the flare is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight rate is equal to zero.

c) Operational Restrictions

- (1) The permittee shall burn only natural gas as defined in 40 CFR 63.761 in this emissions unit, except during a blow down event.
- (2) All collected gas shall be vented to an open flare designed and operated as follows:
 - a. The flare shall be operated with at least a 98% destruction efficiency.
 - b. An automatic flame ignition system shall be installed.
 - c. If using a pilot flame ignition system, the presence of a pilot flame shall be monitored using a thermocouple or other equivalent device to detect the presence of a flame. A pilot flame shall be maintained at all times in the flare's pilot light burner. If the pilot flame goes out and does not relight, then an alarm shall sound. The net heating value of the gas being combusted and the actual exit velocity shall be calculated as required in 40 CFR 60.18.
 - d. If using an electric arc ignition system, the arcing of the electric arc ignition system shall pulse continually and a device shall be installed and used to continuously monitor the electric arc ignition system.
 - e. Any flare, auto ignition system, and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.

- f. An inlet gas flow rate meter shall be installed and used to continuously monitor the flow.
 - g. The flare shall operate at no more than a 12-month rolling average 1.2 mmBtu/hr heat input at all times except for times when a malfunction or maintenance occurs such that excess gas must be safely disposed of through the flare.
- (3) The permittee shall install and operate a flare for the control of VOC emissions whenever the emissions units are in operation and shall maintain the flare in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.
 - (4) In the event the flare is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the flare shall be expeditiously repaired or otherwise returned to these documented operating conditions.
 - (5) For the pressure relief devices and any other equipment covered under 40 CFR Part 60, Subparts A, OOOO, and VVa, the permittee shall comply with the applicable restrictions required under 40 CFR Part 60, Subparts A, OOOO and VVa, including the following sections:

60.5400(a), 60.482-10a(m) and 60.18(e)	Operate closed vent systems and control devices used to comply with provisions of 40 CFR 60.482-10a at all times when emissions may be vented to them.
60.5400(a), 60.482-10a(d) and 60.18(c)(1)	Design and operate the flare with no visible emissions except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.
60.5400(a), 60.482-10a(d) and 60.18(c)(2)	Operate the flare with a flame present at all times.
60.5400(a), 60.482-10a(d), 60.18(c)(3), 60.18(c)(3)(ii), 60.18(c)(4), 60.18(c)(5), 60.18(f)(3) through (6)	Adhere to the minimum net heating value of gas specified in 60.18(c)(3)ii) and maximum tip velocity specifications in 60.18(c)(4) and (5). Calculate the net heating value of the gas as specified in 60.18(f)(3). Calculate exit velocities as specified in 60.18(f)(4) through (6).*
60.5400(a) and 60.482-10a(g)	Repair all leaks, as indicated by an instrument reading greater than 500 ppmv above background or by visual inspections, from the closed vent systems and control devices as soon as practicable. First attempt at repair must be made no later than <u>5 calendar days</u> after detection, and repair must be completed no later than <u>15 calendar days</u> after detection, except as provided by rule (e.g., delay of repair, unsafe to inspect, difficult to inspect).
60.5400(a) and 60.482-10a(h)	Meet the requirements of 60.482-10a(h) for delays of repair.

60.5400(a) and 60.482-10a(i)	Vapor collection systems and closed vent systems operated under a vacuum are exempt from the inspection requirements of 60.482-10a(f).
60.5400(a) and 60.482-10a(j)	Meet the requirements of 60.482-10a(j) for parts of the closed vent system designated as unsafe to inspect in lieu of 60.482-10a(f).
60.5400(a) and 60.482-10a(k)	Meet the requirements of 60.482-10a(k) for parts of the closed vent system designated as difficult to inspect in lieu of 60.482-10a(f).

*The permittee may choose to comply with any alternative standards provided in 40 CFR Part 60, Subparts A, OOOO or VVa.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than natural gas as defined in 40 CFR 63.761, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit, except during an emergency.
- (2) The permittee shall properly install, operate, and maintain a device to continuously monitor the pilot flame when the emissions unit is in operation. The monitoring device and any recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.
- (3) The permittee shall monitor the flare to ensure that it is operated and maintained in conformance with its design and the requirements contained in this permit.
- (4) The permittee shall:
 - a. Continuously monitor and record the presence of the pilot flame.
 - b. Record all periods during which the automatic flare ignition system (pilot flame or electronic arc ignition system) was not working.
 - c. Record all periods during which there was gas being vented to the flare but the flare was not lit.
 - d. Record gas flow rate at the inlet to the flare at least once every hour, in lbs/hour.
 - e. Record a summation of the gas flow rate at the inlet to the flare monthly, in lbs/month.
 - f. Record a 12-month, rolling summation of the gas flow rate at the inlet to the flare monthly, in lbs/month.
 - g. Sample the gas stream monthly and record the VOC weight percentage.
- (5) The permittee shall maintain a record of all periods of time (date and number of hours) when, due to emergency or upset and maintenance condition, the flare is burning collected gases such that the 12-month rolling average heat input is greater than 1.2 mmBtu/hr, along with a description of the emergency and/or the reason that the flare was used at a 12-month rolling average heat input greater than 1.2 mmBtu/hr. The 12-

month rolling average heat input shall be calculated from the monitored flow rate and a maximum heating value of 0.023 mmBtu/lb.

- (6) For the pressure relief devices and any other equipment covered under 40 CFR Part 60, Subparts A, OOOO, and VVa, the permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 60, Subparts A, OOOO and VVa, including the following sections:

60.5400(a), 60.482-10a(e) and 60.18(d)	Monitor the control device to ensure it is operated and maintained in conformance with its design.
60.5400(a) and 60.18(f)(2)	Monitor the presence of the flare pilot flame using a thermocouple or any other equivalent device.
60.5400(a), 60.482-10a(f)(1) and (2), and 60.485a(b)	Inspect each closed vent system, except as provided by rule. If the vapor collection system or closed vent system is constructed of hard-piping, an initial inspection shall be performed according to 60.485a(b) (i.e., Method 21), and annual visual inspections shall be performed for visible, audible, or olfactory indications of leaks. If the vapor collection system or closed vent system is constructed of ductwork, initial and annual inspections shall be performed according to the procedures of 60.485a(b).
60.5400(a) and 60.482-10a(l)(1)	Maintain required records for parts of the closed vent system that are designated as unsafe to inspect.
60.5400(a) and 60.482-10a(l)(2)	Maintain required records for parts of the closed vent system that are designated as difficult to inspect.
60.5400(a) and 60.482-10a(l)(3)	Maintain required records for leaks and repairs of closed vent systems as specified in 60.486a(c).
60.5400(a) and 60.482-10a(l)(4) and (5)	Maintain required records for inspections.
60.5400(e) and 60.486a(d)	Maintain required records for the design requirements for closed vent systems and control devices.
60.5400(e) and 60.486a(e)	Maintain required log.
60.5421(b)	Maintain required records for pressure relief devices.

- (7) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the flare, along with documentation of any modifications deemed necessary by the permittee. These documents shall be

maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

- (8) The permittee shall conduct periodic inspections of the flare to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the flare and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

- (9) The permittee shall document each inspection (periodic and annual) of the flare and shall maintain the following information:
- a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

- (10) The permittee shall maintain records that document any time periods when the flare was not in service when the emissions units were in operation, as well as, a record of all operations during which the flare was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

e) Reporting Requirements

- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than 12 months for each air contaminant source identified in this permit.

- (3) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit, except during an emergency. Each report shall be submitted within 30 days after the deviation occurs.
- (4) For the pressure relief devices and any other equipment covered under the Subparts listed below, the permittee shall comply with the applicable reporting requirements required under 40 CFR Part 60, Subparts A, OOOO and VVa, including the following sections:

60.5400(e) and 60.487a(a)	Submit semiannual reports beginning six months after the initial startup date.
60.5400(e) and 60.487a(b) and (c)	Initial and subsequent semiannual report requirements.
60.5422	Submit the required information for pressure relief devices.

f) Testing Requirements

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

a. Emissions Limitations:

NO_x emissions shall not exceed 0.03 tonper month averaged over a twelve-month, rolling period.

Applicable Compliance Method:

The emission rate specified above was established by multiplying the emission factor from AP-42, Table 13.5-1 (revised 1/95), of 0.068 lbs NO_x/mmBtu by the maximum rolling 12-month average heat input rate. This number was then multiplied by the maximum annual hours of operation (8,760 hours), and then divided by 2,000 lbs per ton and 12 months per year.

If required, compliance with the NO_x emission limitation shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and Method 7.

b. Emissions Limitations:

CO emissions shall not exceed 0.16 tonper month averaged over a twelve-month, rolling period.

Applicable Compliance Method:

The emission rate specified above was established by multiplying the emission factor from AP-42, Table 13.5-1 (revised 1/95), of 0.37 lbs CO/mmBtu by the maximum rolling 12-month average heat input rate. This number was then

multiplied by the maximum annual hours of operation (8,760 hours), and then divided by 2,000 lbs per ton and 12 months per year.

If required, compliance with the CO emission limitation shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and Method 10.

c. Emissions Limitations:

VOC emissions shall not exceed 0.10 tonper month averaged over a twelve-month, rolling period.

Applicable Compliance Method:

Compliance with the VOC emissions limitation shall be based upon the following calculation using the inputs provided in the permittee's application and the recordkeeping requirements in d)(3):

$$\text{VOC (tons/mo.)} = (\text{Inlet gas flow rate}) \times (\text{VOC weight percentage}) \times (1 - \text{flare destruction efficiency}) \times (\text{ton}/2000 \text{ lbs})$$

Where:

Inlet gas flow rate = lbs/mo., including purge and pilot gas;

VOC weight percentage = percentage of VOC in the inlet gas stream (based on monthly sample analysis in d)(4)); and

Flare destruction efficiency = 98%.

If required, compliance with the VOC emission limitation shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and Methods 18, 25, or 25A.

d. Emissions Limitation:

The flare shall be designed and operated with no visible emissions, except for a total of five minutes during any two consecutive hours.

Applicable Compliance Method:

Compliance with the visible emissions limitation shall be determined in accordance with U.S. EPA Method 22 in Appendix A of 40 CFR Part 60.

g) Miscellaneous Requirements

- (1) Any amendment to 40 CFR Part 60, Subpart OOOO shall supersede the compliance limitations and/or options contained in this permit.

6. P013, Tank Flare

Operations, Property and/or Equipment Description:

Tank Flare - Non-assisted open flare with a heat input capacity of 5 mmBtu/hr during normal operations used to control the following emission sources: Closed Drain Water Tank (T001) and de minimis units including the skim oil tank (T006), methanol storage tank (T007) and amine makeup tank (T021).

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(A)(3) June 30, 2008	Nitrogen oxides (NO _x) emissions shall not exceed 0.12 tonper month averaged over a twelve-month, rolling period. Carbon monoxide (CO) emissions shall not exceed 0.68 tonper month averaged over a twelve-month, rolling period. Volatile organic compound (VOC) emissions shall not exceed 0.52 tonper month averaged over a twelve-month, rolling period. See b)(2)a.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) June 30, 2008	The Best Available Technology (BAT) requirements under OAC rule 3745-31-

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		05(A)(3) do not apply to the NO _x , CO and VOC emissions from this air contaminant source since the potential to emit is less than 10 tons/year. See b)(2)b.
c.	40 CFR Part 60, Subpart OOOO, Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution (60.5360-60.5430) [In accordance with 40 CFR 60.5365, this emissions unit includes a storage vessel affected facility.]	Following the compliance date of April 15, 2014, or 30 days after startup, each Group 2 storage vessel constructed, modified, or reconstructed after August 23, 2011 and with VOC emissions calculated to equal or exceed 6 tons per year, shall reduce VOC emissions by 95.0%. See c)(1), d)(1) and e)(3).
d.	40 CFR Part 60.1 through 60.19	The General Provisions that apply are specified in Table 3 of 40 CFR Part 60, Subpart OOOO.
e.	OAC rule 3745-17-07(A)	See b)(2)e.
f.	OAC rule 3745-17-11(B)	See b)(2)f.

(2) Additional Terms and Conditions

- a. The Best Available Technology (BAT) emission limit applies until U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) into the Ohio State Implementation Plan (SIP).

Since the BAT design control efficiency of 98% allows the permittee to calculate potential emissions below Title V thresholds, if in the future U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP, then the permittee shall recalculate potential emissions using a rule-based control efficiency and apply for a permit modification if necessary.
- b. These requirements apply once U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.
- c. The emissions from the flare are exempt from the visible PE limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.
- d. The uncontrolled mass rate of PE from the flare is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule

3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight rate is equal to zero.

c) Operational Restrictions

- (1) The permittee shall burn only natural gas as defined in 40 CFR 63.761 in this emissions unit, except during an emergency.
- (2) All collected gas shall be vented to an open flare designed and operated as follows:
 - a. The flare shall be operated with at least a 98% destruction efficiency.
 - b. An automatic flame ignition system shall be installed.
 - c. If using a pilot flame ignition system, the presence of a pilot flame shall be monitored using a thermocouple or other equivalent device to detect the presence of a flame. A pilot flame shall be maintained at all times in the flare's pilot light burner. If the pilot flame goes out and does not relight, then an alarm shall sound. The net heating value of the gas being combusted and the actual exit velocity shall be calculated as required in 40 CFR 60.18.
 - d. If using an electric arc ignition system, the arcing of the electric arc ignition system shall pulse continually and a device shall be installed and used to continuously monitor the electric arc ignition system.
 - e. Any flare, auto ignition system, and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.
 - f. An inlet gas flow rate meter shall be installed and used to continuously monitor the flow.
 - g. The flare shall operate at no more than a 12-month rolling average 5 mmBtu/hr heat input at all times except for times when a malfunction occurs such that excess gas must be safely disposed of through the flare.
- (3) The permittee shall install and operate a flare for the control of VOC emissions whenever the emissions units are in operation and shall maintain the flare in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.
- (4) In the event the flare is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the flare shall be expeditiously repaired or otherwise returned to these documented operating conditions.
- (5) For the storage vessel affected facilities, the permittee shall comply with the applicable restrictions required under 40 CFR Part 60, Subparts A and OOOO, including the following sections:

60.5395(a), 60.5410(h)(2), and 60.5415(e)(3)	Operate the flare to achieve a 95% reduction of emissions of VOC from each storage vessel emitting more than 6 TPY. Emissions are to be determined per 60.5365(e).
60.5412(a)(3) and 60.5413	Design and operation requirements for a flare.
60.5412(a)(3), 60.5413(a)(1) and 60.18(c)(1)	Design and operate the flare with no visible emissions except for periods not to exceed a total of 5 minutes during any 2 consecutive hours.
60.5412(a)(3), 60.5413(a)(1) and 60.18(c)(2)	Operate the flare with a flame present at all times.
60.5412(a)(3), 60.5413(a)(1), 60.18(c)(3), 60.18(c)(3)(ii), 60.18(c)(4), 60.18(c)(5), and 60.18(f)(3) through (6)	Adhere to the minimum net heating value of gas specified in 60.18(c)(3)(ii) and maximum tip velocity specifications in 60.18(c)(4) and (5). Calculate the net heating value of the gas as specified in 60.18(f)(3). Calculate exit velocities as specified in 60.18(f)(4) through (6).
60.5413(a)(1)	Performance test exemption if flare is designed and operated in accordance with section 60.18(b). Perform a visible emissions test using Method 22 at 40 CFR Part 60, Appendix A-7.
60.5417(d)	Install, calibrate, operate and maintain a heat sensing monitoring device equipped with a continuous recorder that indicates the continuous ignition of the flare's pilot flame.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall properly install, operate, and maintain a device to continuously monitor the pilot flame when the emissions unit is in operation. The monitoring device and any recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.
- (2) The permittee shall monitor the flare to ensure that it is operated and maintained in conformance with its design and the requirements contained in this permit.
- (3) The permittee shall:
 - a. Continuously monitor and record the presence of the pilot flame.
 - b. Record all periods during which the automatic flare ignition system (pilot flame or electronic arc ignition system) was not working.
 - c. Record all periods during which there was gas being vented to the flare but the flare was not lit.
 - d. Record gas flow rate at the inlet to the flare at least once every hour, in lbs/hour.

- e. Record a summation of the gas flow rate at the inlet to the flare monthly, in lbs/month.
 - f. Record a 12-month, rolling summation of the gas flow rate at the inlet to the flare monthly, in lbs/month.
 - g. Sample the gas stream monthly and record the VOC weight percentage.
- (4) The permittee shall maintain a record of all periods of time (date and number of hours) when, due to emergency or upset condition, the flare is burning collected gases such that the 12-month rolling average heat input is greater than 5 mmBtu/hr, along with a description of the emergency and/or the reason that the flare was used at a 12-month rolling average heat input greater than 5 mmBtu/hr. The 12-month rolling average heat input shall be calculated from the monitored flow rate and a maximum heating value of 0.023 mmBtu/lb.
- (5) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the flare, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
- (6) The permittee shall conduct periodic inspections of the flare to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the flare and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

- (7) The permittee shall document each inspection (periodic and annual) of the flare and shall maintain the following information:
- a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

- (8) The permittee shall maintain records that document any time periods when the flare was not in service when the emissions units were in operation, as well as, a record of all operations during which the flare was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.
- (9) For the storage vessel affected facilities, the permittee shall comply with the applicable monitoring and recordkeeping requirements required under 40 CFR Part 60, Subparts A and OOOO, including the following sections:

60.5417(d)(1)(iii) and 60.5415(e)(3)(i)(B)	Install, calibrate, operate, and maintain a heat sensing monitoring device equipped with a continuous recorder that indicates the continuous ignition of the pilot flame.
60.5417(c)(1)	Detect and record the presence of a flare flame at least once every hour.
60.5417(c)(2)	Install, calibrate, operate, and maintain the continuous monitoring systems in accordance with a site specific monitoring plan including the information required by rule.
60.5417(c)(3) and (4)	Conduct a continuous parameter monitoring systems equipment performance check, system accuracy audit, or other audit procedure as specified in the site-specific monitoring plan at least once every 12 months. Conduct performance evaluations of the continuous parameter monitoring systems as specified in the site-specific monitoring plan.
60.5417(d)(1)(iii)	Install, calibrate, operate, and maintain a heat sensing monitoring device equipped with a continuous recorder that indicates the continuous ignition of the pilot flame.
60.5417(g)(4)	Deviations for the flare occur when the monitoring data are not available for at least 75 percent of the operating hours in a day.
60.5420(c)	The applicable records identified in 40 CFR 60.5420(c) and 40 CFR 60.7(f) must be maintained either onsite or at the nearest local field office for at least 5 years.
60.5420(c)(5)(iii)	Maintain records of deviations.

e) Reporting Requirements

- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The PER shall cover a reporting period of no more than 12 months for each air contaminant source identified in this permit.
- (3) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit, except during an emergency. Each report shall be submitted within 30 days after the deviation occurs.
- (4) For the storage vessel affected facilities, the permittee shall submit notifications and reports to the Ohio EPA, Northeast District Office as required pursuant to 40 CFR Part 60, Subpart OOOO, per the following sections:

60.5420(b)(6)(iii)	Submit records of deviations.
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f) Testing Requirements

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

a. Emissions Limitations:

NO_x emissions shall not exceed 0.12 tonper month averaged over a twelve-month, rolling period.

Applicable Compliance Method:

The emission rate specified above was established by multiplying the emission factor from AP-42, Table 13.5-1 (revised 1/95), of 0.068 lbs NO_x/mmBtu by the maximum rolling 12-month average heat input rate. This number was then multiplied by the maximum annual hours of operation (8,760 hours), and then divided by 2,000 lbs per ton and 12 months per year.

If required, compliance with the NO_x emission limitation shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and Method 7.

b. Emissions Limitations:

CO emissions shall not exceed 0.68 tonper month averaged over a twelve-month, rolling period.

Applicable Compliance Method:

The emission rate specified above was established by multiplying the emission factor from AP-42, Table 13.5-1 (revised 1/95), of 0.37 lbs CO/mmBtu by the maximum rolling 12-month average heat input rate. This number was then multiplied by the maximum annual hours of operation (8,760 hours), and then divided by 2,000 lbs per ton and 12 months per year.

If required, compliance with the CO emission limitation shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and Method 10.

c. Emissions Limitations:

VOC emissions shall not exceed 0.52 tonper month averaged over a twelve-month, rolling period.

Applicable Compliance Method:

Compliance with the VOC emissions limitation shall be based upon the following calculation using the inputs provided in the permittee's application and the recordkeeping requirements in d)(3):

$$\text{VOC (tons/mo.)} = (\text{Inlet gas flow rate}) \times (\text{VOC weight percentage}) \times (1 - \text{flare destruction efficiency}) \times (\text{ton}/2000 \text{ lbs})$$

Where:

Inlet gas flow rate = lbs/mo., including purge and pilot gas;
 VOC weight percentage = percentage of VOC in the inlet gas stream (based on monthly sample analysis in d)(4)); and
 Flare destruction efficiency = 98%.

If required, compliance with the VOC emission limitation shall be demonstrated in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 4 and Methods 18, 25, or 25A.

d. Emissions Limitation:

The flare shall be designed and operated with no visible emissions, except for a total of five minutes during any two consecutive hours.

Applicable Compliance Method:

Compliance with the visible emissions limitation shall be determined in accordance with U.S. EPA Method 22 in Appendix A of 40 CFR Part 60.

g) Miscellaneous Requirements

- (1) Any amendment to 40 CFR Part 60, Subpart OOOO shall supersede the compliance limitations and/or options contained in this permit.

**7. Emissions Unit Group – Stabilized Condensate storage tanks:
 T002,T003,T004,T005,T011,T012,T013,T014,T015,T016,T017,T018,T019,T020**

EU ID	Operations, Property and/or Equipment Description
T002	Stabilized Condensate storage tank 1.
T003	Stabilized Condensate storage tank 2.
T004	Stabilized Condensate storage tank 3.
T005	Stabilized Condensate storage tank 4.
T011	Stabilized Condensate storage tank 5.
T012	Stabilized Condensate, storage tank 6
T013	Stabilized Condensate storage tank 7
T014	Stabilized Condensate storage tank 8
T015	Stabilized Condensate storage tank 9
T016	Stabilized Condensate storage tank 10
T017	Stabilized Condensate storage tank 11
T018	Stabilized Condensate storage tank 12
T019	Stabilized Condensate storage tank 13
T020	Stabilized Condensate storage tank 14

Tanks are controlled by CS/Loadout Flare (P006).

- 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(A)(3) June 30, 2008	Install an air - assisted open flare that is designed to meet 98% control efficiency of VOC emissions.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		See b)(2)a. The requirements of this rule include compliance with the applicable requirements of 40 CFR Part 60, Subpart OOOO.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) June 30, 2008	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the VOC emissions from this air contaminant source since the potential to emit is less than 10 tons/year. See b)(2)b.
c.	OAC rule 3745-21-09(L)(2)(b)	See b)(2)c.
d.	40 CFR Part 60, Subpart OOOO, Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution (60.5360-60.5430) [In accordance with 40 CFR 60.5365, this emissions unit includes a storage vessel affected facility.]	Following the compliance date of April 15, 2014, or 30 days after startup, each Group 2 storage vessel constructed, modified, or reconstructed after August 23, 2011 and with VOC emissions calculated to equal or exceed 6 tons per year, shall reduce VOC emissions by 95.0%. See c)(1), d)(1) and e)(3).
e.	40 CFR Part 60.1 through 60.19	The General Provisions that apply are specified in Table 3 of 40 CFR Part 60, Subpart OOOO.

(2) Additional Terms and Conditions

- a. The Best Available Technology (BAT) emission limit applies until U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) into the Ohio State Implementation Plan (SIP).

Since the BAT design control efficiency of 98% allows the permittee to calculate potential emissions below Title V thresholds, if in the future U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP, then the permittee shall recalculate potential emissions using a rule-based control efficiency and apply for a permit modification if necessary.

- b. These requirements apply once U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.

- c. A fixed roof tank meeting one of the following criteria is exempt from installing an internal floating roof or other control device and is not subject to the requirements identified in OAC rule 3745-21-09(L):
 - i. a fixed roof tank with a capacity of less than 40,000 gallons; or
 - ii. a fixed roof tank used to store crude oil and condensate prior to lease custody transfer and with a capacity of less than 422,000 gallons; or
 - iii. a fixed roof tank that stores a petroleum liquid with a true vapor pressure less than or equal to 1.52 pounds per square inch absolute.

If not meeting one of these exemptions the storage vessel shall be installed to comply with the control requirements of OAC rule 3745-21-09(L).

- d. The emissions from the condensate storage tanks shall be vented to the flare at all times the emissions unit is in operation. The flare shall have a minimum destruction efficiency of 98%. See emissions unit P006 for flare requirements.

c) Operational Restrictions

- (1) The permittee shall comply with the applicable restrictions required under 40 CFR Part 60, Subpart OOOO, including the following sections:

60.5395(a), (c), and (d), 60.5410(h) and 60.5415(e)(3)	Operate the flare to achieve a 95% reduction of emissions of VOC from each Group 2 storage vessel emitting more than 6 TPY. Emissions are to be determined per 60.5365(e).
60.5395(c) and (e) and 60.5411(b)	Equip the storage tanks with a cover connected through a closed vent system to the flare. The cover and all openings in the cover must form a continuous barrier over the entire surface area of the liquid in the storage vessel and must be secured in a closed, sealed position whenever material is stored in the storage vessels except as provided by 60.5411(b)(2).
60.5411(b)(3)	Each storage vessel thief hatch shall be weighted and properly sealed.
60.5412(d)(3)	Operate control device used to comply with the provisions of 60.5395 at all times when emissions may be vented to it.
60.5411(c)(2)	Design and operate the closed vent system with no detectable emissions.
60.5411(c)(3)	Any valves associated with the closed vent system that are capable of diverting all or a portion of the emissions away from the flare must be equipped with bypass flow monitors or must be secured in the non-diverting position using a car-seal or a lock-and-key type configuration. Low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, and safety devices are not subject to this requirement.

60.5416(c)(4), (5), (6), and (7)	Repair all leaks detected from the closed vent system or cover as soon as practicable. First attempt at repair must be made no later than 5 calendar days after detection, and repair must be completed no later than 30 calendar days after detection, except as provided by rule (e.g., delay of repair, unsafe to inspect, difficult to inspect).
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*The permittee may choose to comply with any alternative standards provided in 40 CFR Part 60, Subparts A and OOOO.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall comply with the applicable monitoring and record keeping requirements under 40 CFR Part 60, Subpart OOOO, including the following sections:

60.5416(c)(1)	Conduct an inspection of each closed vent system at least once every calendar month. Conduct olfactory, visual and auditory inspections for defects that could result in air emissions. Monthly inspections must be separated by at least 14 calendar days.
60.5416(c)(2)	Conduct an inspection of each cover at least once every calendar month. Conduct olfactory, visual and auditory inspections for defects that could result in air emissions. Monthly inspections must be separated by at least 14 calendar days.
60.5416(c)(3)	Either set the flow indicator to sound an alarm at the inlet to the bypass device when the stream is being diverted away from the control device, or visually inspect all bypass valves secured in the non-diverting position at least once a month to verify that valve remains in the non-diverting position.
60.5420(c)(5)(ii)	Maintain required records for each VOC emissions determination including identification of the model or calculation methodology.
60.5420(c)(5)(iii)	Maintain required records for deviations.
60.5416(c)(1), 60.5420(c)(5)(i) and 60.5420(c)(6)	Maintain required records for inspections of closed vent systems.
60.5416(c)(2), 60.5420(c)(5)(i) and 60.5420(c)(7)	Maintain required records for inspections of storage vessel covers.
60.5416(c)(3), 60.5420(c)(5)(i) and 60.5420(c)(8)	Maintain required records for inspections of bypass valves.
60.5420(c)(5)(v)	Maintain required records of the identification and location of each storage vessel affected facility.
60.5420(c)(5)(i) and 60.5416(c)(6)(ii)	Maintain a written plan for unsafe to inspect parts.
60.5420(c)(5)(i) and 60.5416(c)(7)(ii)	Maintain a written plan for difficult to inspect parts.
60.5421(b)	Maintain required records for pressure relief devices.



- (2) The permittee shall record the annual throughput of each tank in gallons per year. The permittee shall keep records of U.S. EPA TANKS software program and/or other process simulation program calculations used to demonstrate annual storage tank and process vent emissions. These records shall be maintained for at least 5 years and shall be made available to the Director or his representative upon verbal or written request.

e) Reporting Requirements

- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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.
- (3) The permittee shall comply with the applicable reporting requirements under 40 CFR Part 60, Subpart OOOO, including the following sections:

60.5420(a)(1)	Initial notifications required in 60.7(a)(1), (3) and (4) are not required for storage vessels.
60.5410(h)(4) and 60.5420(b)	Submit the required information for storage vessels in the initial annual report within 90 days of the end of the initial compliance period and in the subsequent reports due the same date each year as the initial annual report.
60.5422	Submit the required information for pressure relief devices.

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:

Install an enclosed flare that is designed to meet 98% control efficiency of VOC emissions

Applicable Compliance Method:

Compliance is demonstrated by the manufacturer's guaranteed specifications for the flare control efficiency of at least 98% as detailed in emissions unit P006.



Final Permit-to-Install and Operate
Kensington Processing Plant
Permit Number: P0117354
Facility ID: 0215002002
Effective Date: 9/3/2015

g) Miscellaneous Requirements

- (1) Any amendment to 40 CFR Part 60, Subpart OOOO shall supersede the compliance limitations and/or options contained in this permit.