



10/29/2013

Certified Mail

Mr. Jim LaPorte
Citgo Petroleum - Columbus Terminal
6433 COSGRAY RD
DUBLIN, OH 43016

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0125000276
Permit Number: P0112448
Permit Type: Renewal
County: Franklin

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, Central District Office at (614)728-3778 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael W. Ahern, Manager

Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-CDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Citgo Petroleum - Columbus Terminal**

Facility ID:	0125000276
Permit Number:	P0112448
Permit Type:	Renewal
Issued:	10/29/2013
Effective:	10/29/2013
Expiration:	10/29/2018



Division of Air Pollution Control
Permit-to-Install and Operate
for
Citgo Petroleum - Columbus Terminal

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Final Permit-to-Install and Operate
Citgo Petroleum - Columbus Terminal
Permit Number: P0112448
Facility ID: 0125000276
Effective Date: 10/29/2013

Authorization

Facility ID: 0125000276
Application Number(s): A0045765
Permit Number: P0112448
Permit Description: FEPTIO Renewal permit for one truck loading rack and six storage tanks.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 10/29/2013
Effective Date: 10/29/2013
Expiration Date: 10/29/2018
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Citgo Petroleum - Columbus Terminal
6433 COSGRAY RD
DUBLIN, OH 43016

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, Central District Office
50 West Town Street, 6th Floor
P.O. Box 1049
Columbus, OH 43216-1049
(614)728-3778

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

A handwritten signature in black ink, appearing to read "Scott J. Nally".

Scott J. Nally
Director



Authorization (continued)

Permit Number: P0112448

Permit Description: FEPTIO Renewal permit for one truck loading rack and six storage tanks.

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

Emissions Unit ID:	J001
Company Equipment ID:	Loading Rack
Superseded Permit Number:	P0082556
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T004
Company Equipment ID:	CU-1 (DIESEL FUEL)
Superseded Permit Number:	P0082556
General Permit Category and Type:	Not Applicable

Group Name: Internal Floating Roof Tanks

Emissions Unit ID:	T001
Company Equipment ID:	Tank 4
Superseded Permit Number:	P0082556
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T002
Company Equipment ID:	Tank 3
Superseded Permit Number:	P0082556
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T003
Company Equipment ID:	Tank 2
Superseded Permit Number:	P0082556
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T005
Company Equipment ID:	CU - 5, FIX ROOF, INTERNAL FLOAT, (1) SEAL
Superseded Permit Number:	P0082556
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	T006
Company Equipment ID:	Tank 6
Superseded Permit Number:	P0082556
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
Citgo Petroleum - Columbus Terminal
Permit Number: P0112448
Facility ID: 0125000276
Effective Date: 10/29/2013

A. Standard Terms and Conditions



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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. 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
Citgo Petroleum - Columbus Terminal
Permit Number: P0112448
Facility ID: 0125000276
Effective Date: 10/29/2013

B. Facility-Wide Terms and Conditions



1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) 2., 3., 4., 5., 6., 7. and 8.
2. The emissions of volatile organic compounds (VOC) from J001, T001, T002, T003, T004, T005, T006, T007, all de minimis emissions units as defined in OAC rule 3745-15-05, and all registration status and/or permit exempt/permit-by-rule emissions units pursuant to OAC rule 3745-31-03, combined, shall not exceed 99 tons per rolling, 12-month period.
3. The emissions of hazardous air pollutants (HAPs), as identified in Section 112(b) of Title III of the Clean Air Act, from J001, T001, T002, T003, T004, T005, T006, T007, all de minimis emissions units as defined in OAC rule 3745-15-05, and all registration status and/or permit exempt/permit-by-rule emissions units pursuant to OAC rule 3745-31-03, combined, shall not exceed 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, based upon rolling, 12-month summations of the HAP emissions.
4. The permittee shall on a monthly basis maintain the following information for the entire facility:
 - a) the total VOC emissions, in tons per month;
 - b) the individual HAP emissions, in tons per month;
 - c) the combined HAP emissions, in tons per month;
 - d) the rolling, 12-month summation of total VOC emissions, in tons;
 - e) the rolling, 12-month summation of individual HAP emissions, in tons; and
 - f) the rolling, 12-month summation of combined HAP emissions, in tons.
5. The permittee shall submit quarterly deviation (excursion) reports that identify:
 - a) all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
 - (1) all exceedances of the rolling, 12-month VOC emission limitation;



- (2) all exceedances of the rolling, 12-month individual HAP emission limitation; and
 - (3) all exceedances of the rolling, 12-month combined HAP emission limitation.
- b) the probable cause of each deviation (excursion).
 - c) any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions).
 - d) the magnitude and duration of each deviation (excursion).

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

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

6. Emission Limitations

The emissions of volatile organic compounds (VOC) from J001, T001, T002, T003, T004, T005, T006, T007, all de minimis emissions units as defined in OAC rule 3745-15-05, and all registration status and/or permit exempt/permit-by-rule emissions units pursuant to OAC rule 3745-31-03, combined, shall not exceed 99 tons per rolling, 12-month period.

Applicable Compliance Method

Compliance with these emission limitations shall be determined as follows:

- a. VOC emissions from gasoline and distillate loading shall be determined in accordance with the monitoring and recordkeeping requirements in Section C- Emissions Unit Terms and Conditions for J001.
- b. VOC emissions from the storage tanks shall be determined using the most recent version of the U.S. EPA's TANKS program.

7. Emission Limitations

The emissions of HAP, as identified in Section 112(b) of Title III of the Clean Air Act, from J001, T001, T002, T003, T004, T005, T006, T007, all de minimis emissions units as defined in OAC rule 3745-15-05, and all registration status and/or permit exempt/permit-by-rule emissions units pursuant to OAC rule 3745-31-03, combined, shall not exceed 9.9 TPY for any individual HAP and 24.9 TPY for any combination of HAP, based upon rolling, 12-month summations of the HAP emissions.



Applicable Compliance Method

Compliance with these emission limitations shall be determined as follows:

- a) For individual and combined HAP emissions from gasoline loading, multiply the VOC emissions by the following HAP emission factors derived from using the speciation option of the U.S. EPA's TANKS program:

benzene – 0.00404 pound of benzene emissions per pound of VOC emissions;
ethylbenzene - 0.000517 pound of ethylbenzene emissions per pound of VOC emissions;
hexane - 0.00360 pound of hexane emissions per pound of VOC emissions;
toluene - 0.00530 pound of toluene emissions per pound of VOC emissions;
xylene - 0.00237 pound of xylene emissions per pound of VOC emissions;
2,2,4-trimethylpentane - 0.00458 pound of 2,2,4-trimethylpentane emissions per pound of VOC emissions; and
isopropylbenzene – 0.000133 pound of isopropylbenzene emissions per pound of VOC emissions.

- b) For individual and combined HAP emissions from distillate loading, multiply the VOC emissions by the following HAP emission factors derived from using the speciation option of the U.S. EPA's TANKS program:

benzene - 0.00206 pound of benzene emissions per pound of VOC emissions;
ethylbenzene - 0.00296 pound of ethylbenzene emissions per pound of VOC emissions;
hexane - 0.000424 pound of hexane emissions per pound of VOC emissions;
toluene - 0.0228 pound of toluene emissions per pound of VOC emissions; and
xylene - 0.0549 pound of xylene emissions per pound of VOC emissions.

- c) For individual and combined HAP emissions from the storage tanks, use the speciation option of the most recent version of the U.S. EPA's TANKS program.

8. The Ohio EPA has determined that this facility is subject to the requirements of 40 CFR Part 63 Subpart BBBBBB National Emission Standards for Hazardous Air Pollutants (NESHAP) for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Area Sources. Although Ohio EPA has determined that this Generally Available Control Technology NESHAP (GACT) applies, at this time Ohio EPA does not have the authority to enforce this standard. Instead, U.S. EPA has the authority to enforce this standard. Please be advised, that all requirements associated with this rule are in effect and shall be enforced by U.S. EPA. For more information on the area source rules, please refer to the following U.S. EPA website: <http://www.epa.gov/ttn/atw/area/arearules.html>.



Final Permit-to-Install and Operate
Citgo Petroleum - Columbus Terminal
Permit Number: P0112448
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C. Emissions Unit Terms and Conditions



1. J001, Loading Rack

Operations, Property and/or Equipment Description:

3-Bay Truck Loading Rack with 10 Loading Arms Controlled by a Vapor Combustion Unit

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

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

a. None.

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

a. b)(1)b., b)(2)a., b)(2)b., d)(5), e)(2), f)(2)a., f)(2)b. and f)(2)c.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(Q)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(D). See c)(1) through c)(6) below.
b.	OAC rule 3745-31-05(D) (Federally enforceable limitations to avoid Title V and MACT)	Limitation applicable to the loading of gasoline (i.e., gasoline, ethanol, and gasoline additives): 0.29 pound of VOC per 1,000 gallons (35 milligrams per liter (mg/l)) of gasoline loaded into the gasoline delivery vessel. Limitation applicable to the loading of distillates (i.e., diesel and diesel additives):



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>0.0014 pound of VOC per 1,000 gallons (0.17 mg/l) of distillates loaded into the distillates delivery vessel.</p> <p>The total VOC emissions from loading gasoline, ethanol, and distillates shall not exceed 75.14 tons per rolling 12-month period (TPY) (including fugitive emissions).</p> <p>See b)(2)a. and b)(2)b. below.</p> <p>See 2. through 7. of Section B - Facility-Wide Terms and Conditions.</p>

(2) Additional Terms and Conditions

- a. The annual throughput of gasoline (i.e., gasoline, ethanol, and gasoline additives) shall not exceed 304,485,036 gallons per rolling, 12-month period.
- b. The annual throughput of distillates (i.e., diesel and diesel additives) shall not exceed 525,600,000 gallons per rolling, 12-month period.

c) Operational Restrictions

- (1) The loading rack shall be equipped with a vapor collection system whereby during the transfer of gasoline to any delivery vessel:
 - a. all vapors displaced from the delivery vessel during loading are vented only to the vapor collection system; and
 - b. the pressure in the vapor collection system is maintained between minus 6 and plus 18 inches of water gauge pressure.
- (2) The loading rack shall be equipped with a vapor control system whereby:
 - a. all vapors collected by the vapor collection system are vented to the vapor control system; and
 - b. any liquid gasoline returned to a stationary storage tank from the vapor control system is free of entrained air to the extent possible with good engineering design.
- (3) The loading rack shall be provided with a means to prevent drainage of gasoline from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.



- (4) All gasoline loading lines and vapor lines shall be equipped with fittings which are vapor tight.
 - (5) The permittee shall not permit gasoline to be spilled, discarded into sewers, stored in open containers, or handled in any other manner that would result in evaporation.
 - (6) The permittee shall repair any leak from the vapor collection system or vapor control system within 15 days of detection, where the system is employed to meet the requirements of paragraph (Q)(1) of OAC rule 3745-21-09 and when such leak is equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.
 - (7) The pilot flame in the flare's pilot light burner shall be maintained at all times during the loading of gasoline (i.e., gasoline, ethanol, and gasoline additives) and distillates (i.e., diesel and diesel additives).
- d) **Monitoring and/or Recordkeeping Requirements**
- (1) The permittee shall properly install, operate, and maintain equipment to monitor the pressure in the vapor collection system, while the emissions unit is in operation, to demonstrate compliance with the pressure range established in OAC rule 3745-21-09(Q)(1)(a)(ii). The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
 - (2) The permittee shall repair any leak from the vapor collection system and/or vapor control system, that is equal to or greater than 100% of the LEL as propane (as determined under OAC 3745-21-10(K)), within 15 days of detection. The permittee shall maintain a record of each such leak that is not repaired within the 15 days.
 - (3) The permittee shall properly install, operate, and maintain a heat-sensing device (e.g. ultraviolet or thermocouple) to indicate the presence of a flame when the emissions unit is in operation. The monitoring device shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals. Each business day, the operator shall verify that the pilot flame and flame sensor are working during loading operations.
 - (4) The permittee shall collect and record the following information each day:
 - a. the results of the daily pilot inspections;
 - b. descriptions of any failures of the flame detection system;
 - c. if a failure is detected, record the period of time when gasoline was loaded, until the system is repaired; and
 - d. a log or record of operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.



- (5) The permittee shall maintain monthly records of the following information:
- a. the total throughput of gasoline (i.e., gasoline, ethanol, and gasoline additives), in gallons;
 - b. the total throughput of distillates (i.e., diesel and diesel additives), in gallons;
 - c. the VOC emissions from J001, in tons;
 - d. the rolling, 12-month summation of all loading rack gasoline throughput, in gallons;
 - e. the rolling, 12-month summation of all loading rack distillate throughput, in gallons; and
 - f. the rolling, 12-month summation of VOC emissions from J001, in tons.
- (6) The permittee shall implement a preventive maintenance program (PMP) for the vapor combustion unit (VCU) which has been approved by the Ohio EPA, Central District Office. The PMP shall include an annual inspection of the flare by a qualified individual. The resultant report shall be maintained on site and shall be made available during subsequent inspections by the Ohio EPA, Central District Office.

e) Reporting Requirements

- (1) Any leaks in the vapor collection system or vapor control system equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10 of the Administrative Code, that are not repaired within 15 days after identification, shall be reported to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the repair is completed. This report shall include the date the leak was detected and the date the leak was repaired.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify:
- a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
 - i. all exceedances of the rolling, 12-month gasoline throughput limitation;
 - ii. all exceedances of the rolling, 12-month distillate throughput limitation; and
 - iii. all exceedances of the rolling, 12-month VOC emission limitation.
 - b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and



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

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

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

- (3) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA e-Business Center: Air Services by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (4) Unless other arrangements have been approved by the director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

f) Testing Requirements

- (1) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 12 months prior to the permit expiration.
 - b. The emission testing shall be conducted to demonstrate compliance with the VOC mass emission limitation of 35 mg per liter of gasoline loaded (0.29 pound of VOC per 1,000 gallons of gasoline loaded) in accordance with the procedures specified in OAC rule 3475-21-10(E).

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

- c. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Central District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Central District Office's refusal to accept the results of the emission test(s).
- d. Personnel from the Ohio EPA, Central District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the



testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

- e. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Central District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Central District Office.
- (2) 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

0.29 pound of VOC per 1,000 gallons (35 milligrams per liter (mg/l)) of gasoline loaded

Applicable Compliance Method

Compliance with this emission limitation shall be demonstrated through the emission testing required in f)(1) above.

b. Emission Limitation

0.0014 pound of VOC per 1,000 gallons (0.17 mg/l) of distillates loaded

Applicable Compliance Method

The allowable mass emission rate for distillate loading was established using Equation 1 specified in AP-42, "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 5.2 (6/08) and information provided in the permit application as follows.

$$L_L = 12.46 \times \frac{SPM}{T} \times \left(1 - \frac{CE}{100}\right), \text{where:}$$

L_L = loading loss, pounds per 1,000 gallons of distillate loaded

S = saturation factor = 1

P = true vapor pressure = 0.015 psia

M = vapor molecular weight = 130 lb/lb-mole

T = temperature of distillate loaded = 540°R

CE = overall capture/control efficiency = 96.8%



c. Emission Limitation

The total VOC emissions from loading gasoline, ethanol, and distillates shall not exceed 75.14 tons per rolling 12-month period (TPY) (including fugitive emissions).

Applicable Compliance Method

Compliance with this emission limitation shall be determined based upon the recordkeeping in d)(5) above and a summation of the stack and fugitive emissions from gasoline and distillate loading as follows:

- i. For stack emissions from gasoline loading, sum the monthly gasoline throughputs for the 12-month period and multiply this sum by the emissions factor established based upon the most recent emission test that demonstrated the emissions unit was in compliance (in lb VOC/1,000 gallons gasoline loaded) and divide by 2,000 lb/ton.
- ii. For fugitive emissions from gasoline loading, sum the monthly gasoline throughputs for the 12-month period and divide this sum by 2,000 lb/ton and multiply by the emission factor (lb VOC/1,000 gallons gasoline) obtained using Equation 1 from AP-42, Section 5.2 multiplied by the overall reduction efficiency term of $(1 - \text{efficiency} / 100)$ (AP-42, Section 5.2 (June 2008), page 5.2-6) using a capture efficiency of 98.7%.
- iii. For distillate fuel loading emissions, sum the distillate fuel throughputs for the 12-month period and divide this sum by 2,000 lb/ton and multiply by the emission factor (lb VOC/1,000 gallons gasoline) obtained using Equation 1 from AP-42, Section 5.2 multiplied by the overall reduction efficiency term of $(1 - \text{efficiency} / 100)$ (AP-42, Section 5.2 (June 2008), page 5.2-6) using an overall capture/control efficiency of 96.8%.

g) Miscellaneous Requirements

- (1) None.



2. T004, CU-1 (DIESEL FUEL)

Operations, Property and/or Equipment Description:

2,814,000 Gallon Diesel Storage Tank with Fixed Roof

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

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

a. None.

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

a. b)(1)b. and d)(2)

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(L)	See b)(2)a. below.
b.	OAC rule 3745-31-05(D) (Federally enforceable limitations to avoid Title V and MACT)	See 2. through 7. of Section B - Facility-Wide Terms and Conditions.

(2) Additional Terms and Conditions

a. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid that, as stored, has a true vapor pressure greater than 1.52 pounds per square inch absolute, unless the tank is equipped with an internal floating roof (or equivalent control approved by the director) in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09 prior to storing a petroleum liquid with a higher vapor pressure.

c) Operational Restrictions

(1) None.



d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records of the following information for the fixed roof tank:
 - a. the types of petroleum liquids stored in the tank; and
 - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each petroleum liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

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.

- (2) The permittee shall maintain monthly records of the following information:
 - a. the total throughput of distillates (i.e., diesel and diesel additives), in gallons; and
 - b. the rolling, 12-month summation of all storage tank distillate throughput, in gallons.

e) Reporting Requirements

- (1) If the permittee places, stores, or holds, in the fixed roof tank, any petroleum liquid with a true vapor pressure that is greater than 1.52 pounds per square inch absolute and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the director (the Ohio EPA, Central District Office) within 30 days of becoming aware of the occurrence. The date that such petroleum liquid was first stored in the tank, the date removed (if removed), the total gallons throughput of each petroleum liquid exceeding this vapor pressure, and the proposed method of compliance shall be included in the report.
- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA e-Business Center: Air Services by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.
- (3) Unless other arrangements have been approved by the director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

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. None.



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g) Miscellaneous Requirements

- (1) None.



3. Emissions Unit Group -Internal Floating Roof Tanks: T001,T002,T003,T005,T006,

EU ID	Operations, Property and/or Equipment Description
T001	2,310,000 Gallon Gasoline Storage Tank with Internal Floating Roof
T002	1,050,000 Gallon Gasoline Storage Tank with Internal Floating Roof
T003	420,000 Gallon Gasoline Storage Tank with Internal Floating Roof
T005	84,000 Gallon Gasoline Storage Tank with Internal Floating Roof
T006	1,260,000 Gasoline Storage Tank with Internal Floating Roof

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

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

a. None.

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

a. b)(1)b. and d)(3)

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(L)	See c)(1) below.
b.	OAC rule 3745-31-05(D) (Federally enforceable limitations to avoid Title V and MACT)	See 2. through 7. of Section B - Facility-Wide Terms and Conditions.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The permittee shall install the following control equipment and shall maintain tank vents, seals, and or covers as follows:



- a. The fixed roof storage tank shall be equipped with an internal floating roof.
- b. The automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports.
- c. The rim vents, if present, shall be set to open or at the manufacturer's recommended setting when the roof is being floated off the roof leg supports.
- d. All openings, except stub drains, shall be equipped with a cover, seal, or lid which is to be in a closed position at all times except when in actual use for tank gauging or sampling.

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

- (1) The permittee shall maintain records of the following information for the fixed roof tank:
 - a. the types of petroleum liquids stored in the tank; and
 - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each petroleum liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

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.

- (2) The permittee shall maintain a record of any period of time in which the automatic bleeder vents, rim vents, and all openings other than stub drains were not maintained as required in this permit and per the rules.
- (3) The permittee shall maintain monthly records of the following information:
 - a. the total throughput of gasoline (i.e., gasoline, ethanol, and gasoline additives), in gallons; and
 - b. the rolling, 12-month summation of all storage tank gasoline throughput, in gallons.

e) **Reporting Requirements**

- (1) The permittee shall notify the director (the Ohio EPA, Central District Office) within 30 days of the occurrence, of any period of time in which the automatic bleeder vents, rim vents, and all openings other than stub drains were not maintained as required in this permit.
- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA e-Business Center: Air Services by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.



- (3) Unless other arrangements have been approved by the director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

- 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. None.

- g) Miscellaneous Requirements
 - (1) None.