



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
STARK COUNTY**

CERTIFIED MAIL

Street Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov.
Center

Application No: 15-01531

DATE: 3/27/2003

Marathon Ashland Petroleum LLC-Canton
Brent McNeese
2408 Gambrinus Avenue SW
Canton, OH 44706

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

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Michael W. Ahern

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

Canton LAA



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install
Terms and Conditions**

**Issue Date: 3/27/2003
Effective Date: 3/27/2003**

FINAL PERMIT TO INSTALL 15-01531

Application Number: 15-01531
APS Premise Number: 1576000301
Permit Fee: **\$400**
Name of Facility: Marathon Ashland Petroleum LLC-Canton
Person to Contact: Brent McNeese
Address: 2408 Gambrinus Avenue SW
Canton, OH 44706

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

Description of proposed emissions unit(s):
ADDITION OF VALVES AND FLANGES FOR A GAS CON DEBUTANIZER OVERHEAD AIR COOLED EXCHANGER.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

Part I - GENERAL TERMS AND CONDITIONS

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

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous

calendar quarters. See B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

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

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

3. Risk Management Plans

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

4. Title IV Provisions

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

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

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

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are

required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit To Operate Application

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. Best Available Technology

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

12. Air Pollution Nuisance

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

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

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Permit Transfers

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

4. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

5. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

6. Public Disclosure

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

7. Applicability

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

8. Construction Compliance Certification

Marathon Ashland Petroleum LLC-Canton

Facility ID: **1576000301**

PTI Application: **15-01531**

Issued: 3/27/2003

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit To Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

Issued

Emissions Unit ID: P013

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

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

C. Permit To Install Summary of Allowable Emissions

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

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

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC(Total - See Part III, section A.I.1.	46

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Marathon Ashland Petroleum LLC-Canton

PTI Application: **15-01531**

Issued: 3/27/2003

Facility ID: **1576000301**

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Issued: 3/27/2003

Emissions Unit ID: P013

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

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

None

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

None

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P013 Fugitive VOC Leaks from Petroleum Refinery Equipment	OAC rule 3745-21-09(T) 40 CFR Part 60, Subpart GGG	No limits No limits
This is a modification of this PTI by adding the following affected emission units: the Vacuum Unit Tailgas Compressor System, the valves pumps and flanges for the west tank farm, and the flanges and valves installed with the Gas Condebutanizer overhead Air cooled exchanger. The emission units regulated under this PTI are not subject to 40 CFR Parts 63, Subpart CC or 40 CFR Part 63, Subpart UUU (Refinery MACT's)	OAC rule 3745-31-05(A)(3)	BAT consists of compliance with the applicable parts of 40 CFR 60 Subpart GGG and OAC 3745-21-09(T) and the following mass emission limits: 4.42 tons VOC/yr This limit is only for the emissions from the Vacuum Unit Tailgas Compressor System. Emissions consist of gases from the system. 39.5 tons OC/yr. This limit is only for the emissions from the pumps, valves, and flanges in light liquid and vapor service from the West Tank Farm Project 1.77 tons VOC/yr.

This limit is only for the emissions from the valves, and flanges in light liquid and gas service for the Gas Condebutanizer overhead Air cooled exchanger project.

2. Additional Terms and Conditions

- 2.a** [40 CFR Part 60.592(b)]
The permittee may elect to comply with the requirements of 40 CFR part 60.483-1 and 60.483-2.
- 2.b** [40 CFR Part 60.592(c)]
The permittee may apply to the Administrator for a determination of equivalency for any means of emission limitation that achieves a reduction in emissions of VOC at least equivalent to the reduction in emissions of VOC achieved by the controls required in 40 CFR Part 60.592. In doing so, the permittee shall comply with requirements of 40 CFR Part 60.484.
- 2.c** [40 CFR Part 60.592(d)]
The permittee shall comply with the provisions of 40 CFR Part 60.485, "Testing Methods and Procedures", except as provided in 40 CFR Part 60.593.
- 2.d** [40 CFR Part 60.593(d)]
The permittee may use the following provision in addition to 60 CFR Part 60.485(e):
Equipment is in light liquid service if the percent evaporated is greater than 10 percent at 150 degree C as determined by ASTM Method D-86(incorporated by reference as specified in 40 CFR Part 60.18.
- 2.e** [40 CFR Part 60.482-1(a)]
The permittee shall demonstrate compliance with the requirements of this permit for all equipment within 180 days of initial startup.
- 2.f** [40 CFR Part 60.482-1(b)]

Issued

Emissions Unit ID: P013

Compliance will be determined by review of records and reports, review of performance test results, and inspection using the methods and procedures specified in 40 CFR Part 60.482-1(b).

- 2.g** [40 CFR Part 60.482-1(c)(1)]
An owner or operator may request a determination of equivalence of a means of emission limitation to the requirements of OAC 60.482-2, 60.482-3, 60.482-5, 60.482-6, 60.482-7, and 60.482-8 as provided in OAC 60.484.
- 2.h** [40 CFR Part 60.482-1(c)(2)]
If the Administrator makes a determination that a means of emission limitation is at least equivalent to the requirements of OAC 60.482-2, 60.482-3, 60.482-5, 60.482-6, 60.482-7, 60.482-8, or 60.482-10, the permittee shall comply with the requirements of that determination.

II. Operational Restrictions

1. [40 CFR Part 60.590]
40 CFR Part 60 Subpart GGG - Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries is applicable to the compressor because the compressor is an affected facility as defined in 60.590(a)(2). These standards are not applicable to the associated pipeline components because they do not constitute a capital expenditure and thus are not a modification. In order to comply with 40 CFR 60 Subpart GGG, the permittee has agreed to comply with the following operational restrictions:
- a. [40 CFR Part 60.482-3(a)]
In order to comply with 60.482-3(a), the compressor shall be equipped with a barrier fluid seal system on each through-casing shaft penetration. Ambient temperature lube oil (SAE 40 or equivalent) will be the barrier fluid;
- b. [40 CFR Part 60.482-3(b)(1)]
In order to comply with 60.482-3(b)(1), the compressor barrier fluid system will be pressurized with nitrogen to a pressure of about 25 psig; and
- c. [40 CFR Part 60.482-3(b)(3)]
In order to comply with 60.482-3(b)(3), if the seal system leaks, the barrier fluid will leak into the tailgas compressor; thus, no VOC emissions to the atmosphere will result because the barrier fluid is in heavy liquid service or is not in VOC service.
- d. [40 CFR Part 60.482(h)]
The permittee may elect to comply with the requirements of 60.482(h) if the compressor is equipped with a closed vent system capable of capturing and transporting any leakage from the seal to a control device that complies with the requirements of 60.482-10. Compliance with 60.482(h) will exempt the compressor from the requirements of Terms and Conditions A.1 through A.3, except as provided in Term and Condition A.5.

- e. [40 CFR Part 60.482(I)]
The permittee may elect to comply with the requirements of 60.482(I) if the compressor is designated, as described in 60.486(e)(1) and (2), for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background. Compliance with 60.482(I) will exempt the compressor from the requirements of Terms and Conditions A.1 through A.4.

Pressure relief devices in gas/vapor service.

2. [40 CFR Part 60.482-4(a)]
Except during pressure releases, each pressure relief device in gas/vapor service shall be operated with not detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as determined by the methods specified in 40 CFR Part 60.485(c).

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3. [40 CFR Part 60.482-4(b)(1)]

After each pressure release, the pressure relief device shall be returned to a condition of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after the pressure release, except as provided in 40 CFR Part 60.485(c).

 - a. [40 CFR Part 60.482-4(c)]

No later than 5 calendar days after the pressure release, the pressure relief device shall be monitored to confirm the conditions of no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, by the methods specified in 40 CFR Part 60.4485(c).
4. [40 CFR Part 60.482-4]

Any pressure relief device that is routed to a process or fuel gas system or equipped with a closed vent system capable of capturing and transporting leakage through the pressure relief device to a control device as described in 40 CFR Part 60.482-10 is exempted from the requirements of section A.II.2. and A.II.3.
5. [40 CFR Part 60.482-4(a)(1)]

Any pressure relief device that is equipped with a rupture disk upstream of the pressure relief device is exempt from the requirements of section A.II.2. and A.II.3., provided the permittee complies with the requirements in section A.II.6.
6. [40 CFR Part 60.482-4(d)(2)]

After each pressure release, a new rupture disk shall be installed upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR Part 60.482-9.

Sampling connection systems.

7. [40 CFR Part 60.482-5(a)]

Each sampling connection system shall be equipped with a closed-purged, closed-loop, or closed-vent system, except as provided in CFR 40 Part 60.482-1(c). Gases displaced during filling of the sample container are not required to be collected or captured.
8. [40 CFR Part 60.482-5(b)]

Each closed-purge, closed-loop, or closed-vent system as required in paragraph (a) of this section shall comply with the requirements specified in section A.II.8.a through A.II.8.d.

 - a. [40 CFR Part 60.482-5(b)(1)]

Return the purged process fluid directly to the process line; or
 - b. [40 CFR Part 60.482-5(b)(2)]

Collect and recycle the purged process fluid to a process; or

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- c. [40 CFR Part 60.482-5(b)(3)]
Be designed and operated to capture and transport all the purged process fluid to a control device that complies with the requirements of 40 CFR Part 60.482-10; or
 - d. [40 CFR Part 60.482-5(b)(4)]
Collect, store, and transport the purged process fluid to any of the following systems or facilities:
 - i. [40 CFR Part 60.482-5(b)(4)(i)]
A waste management unit as defined in 40 CFR 63.111, if the waste management unit is subject to, and operated in compliance with the provisions of 40 CFR Part 63, Subpart G, applicable to Group 1 wastewater streams;
 - ii. [40 CFR Part 60.482-5(b)(4)(ii)]
A treatment, storage, or disposal facility subject to regulation under 40 CFR Part 262, 264, 265, or 266; or
 - iii. [40 CFR Part 60.482-5(b)(4)(iii)]
A facility permitted, licensed, or registered by a State to manage municipal or industrial solid waste, if the process fluids are not hazardous waste as defined in 40 CFR Part 261.
9. [40 CFR Part 60.482-5(c)]
In situ sampling systems and sampling systems without purges are exempt from the requirements of sections A.II.7. and A.II.8.

Open-ended valves or lines.

10. [40 CFR Part 60.482-5(a)(1)]
Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR Part 60.482-1(c).
- a. [40 CFR Part 60.482-5(a)(2)]
The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line.
11. [40 CFR Part 60.482-5(b)]
Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed.

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12. [40 CFR Part 60.482-5(c)]
When a double block-and-bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with section A.II.10 at all other times.

13. [40 CFR Part 60.482-5(d)]
Open-ended valves or lines in an emergency shutdown system which are designed to open automatically in the event of a process upset are exempt from the requirements of sections A.II.10. through A.II.12.
14. [40 CFR Part 60.482-5(e)]
Open-ended valves or lines containing materials which would autocatalytically polymerize or would present an explosion, serious over pressure, or other safety hazard if capped or equipped with a double block and bleed system as specified in sections A.II.10 through A.II.12 are exempt from the requirements of sections A.II.10 through A.II.12.

Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors.

15. [40 CFR Part 60.482-8(a)]
If evidence of a potential leak is found by visual, audible, olfactory, or any other detection method at pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors, the owner or operator shall follow either one of the following procedures:
 - a. [40 CFR Part 60.482-8(a)(1)]
The permittee shall monitor the equipment within 5 days by the method specified in 40 CFR Part 60.485(b) and shall comply with the requirements of sections A.II.16 through A.II.18;
 - b. [40 CFR Part 60.482-8(a)(2)]
The permittee shall eliminate the visual, audible, olfactory, or other indication of a potential leak.
16. [40 CFR Part 60.482-8(b)]
If an instrument reading of 10,000 ppm or greater is measure, a leak is detected.
17. [40 CFR Part 60.482-8(c)(1)]
When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 CFR Part 60.482-9.
 - a. [40 CFR Part 60.482-8(c)(2)]
The first attempt at repair shall be made no later than 5 calendar days after each leak is detected.
18. [40 CFR Part 60.482-8(d)]
First attempts at repair include, but are not limited to, the best practices described under 40 CFR Part 60.482-7(e).

Delay of repair.

19. [40 CFR Part 60.482.9(a)]
Delay of repair of equipment for which leaks have been detected will be allowed if repair within 15 days is technically infeasible without a process unit shutdown. Repair of this equipment shall occur before the end of the next process unit shutdown.
20. [40 CFR Part 60.482.9(b)]
Delay of repair of equipment will be allowed for equipment which is isolated from the process and which does not remain in VOC service.
21. [40 CFR Part 60.482.9(c)]
Delay of repair for valves will be allowed if:
 - a. [40 CFR Part 60.482.9(c)(1)]
The permittee demonstrates that emissions of purged material resulting from immediate repair are greater than the fugitive emissions likely to result from delay of repair; and
 - b. [40 CFR Part 60.482.9(c)(2)]
When repair procedures are effected, the purged material is collected and destroyed or recovered in a control device complying with 40 CFR Part 60.482-10.
22. [40 CFR Part 60.482.9(d)]
Delay of repair for pumps will be allowed if:
 - a. [40 CFR Part 60.482.9(d)(1)]
Repair requires the use of a dual mechanical seal system that includes a barrier fluid system, and
 - b. [40 CFR Part 60.482.9(d)(2)]
Repair is completed as soon as practicable, but not later than 6 months after the leak was detected.
23. [40 CFR Part 60.482.9(e)]
Delay of repair beyond a process unit shutdown will be allowed for a valve, if valve assembly replacement is necessary during the process unit shutdown, valve assembly supplies have been depleted, and valve assembly supplies had been sufficiently stocked before the supplies were depleted. Delay of repair beyond the next process unit shutdown will not be allowed unless the next process unit shutdown occurs sooner than 6 months after the first process unit shutdown.

III. Monitoring and/or Record keeping Requirements

1. As required in OAC rule 3745-21-09(T), the permittee shall develop and implement a monitoring program which incorporates the following provisions:
 - a. Yearly monitoring of all pump seals, pipeline valves in liquid service and process drains in accordance with the method specified in paragraph (F) of OAC rule 3745-21-10;
 - b. Quarterly monitoring of all compressor seals, pipeline valves in gas service and pressure relief valves in gas service in accordance with the method specified in paragraph (F) of OAC rule 3745-21-10;
 - c. Monthly monitoring of all pump seals by visual methods;
 - d. Monitoring of any pump seal in accordance with the method specified in paragraph (F) OAC rule 3745-21-10 within five working days after any liquids are observed dripping from the seal;
 - e. Monitoring of any relief valve in accordance with the method specified in paragraph (F) of OAC rule 3745-21-10 within five working days after the valve has vented to the atmosphere; and
 - f. Monitoring of any component in accordance with the method specified in paragraph (F) of OAC rule 3745-21-10 within five working days after the repair of a leak.
2. As required by OAC rule 3745-21-09(T), all pipeline valves in gas service and pressure relief valves in gas service shall be clearly marked and identified in such a manner that they will be obvious to both refinery personnel performing monitoring and to the director.
3. As required by OAC rule 3745-21-09(T), if a leak is identified as a result of the monitoring program required by Section A.III.1. and the concentration of VOC exceeds ten thousand parts per million by volume, a tag shall immediately be placed on the leaking component. The tag shall be readily visible and weatherproof; it shall bear an identification number; and it shall clearly indicate the date the leak was detected. The tag shall remain in place until the leaking component is repaired.
4. As required by OAC rule 3745-21-09(T), a monitoring log shall be maintained for all leaking components which are tagged in accordance with Section A.III.3 of this rule. The monitoring log shall contain, at a minimum, the following data:

- a. The name of the process unit where the leaking component is located;
 - b. The type of leaking component (such as valve, seal, or other component);
 - c. The tag number of the leaking component;
 - d. The date on which the leaking component was detected;
 - e. The date on which the leaking component was repaired;
 - f. The date and results of the monitoring performed within five working days after the leaking component was repaired;
 - g. A record of the calibration of the monitoring instrument;
 - h. A list of those leaking components which cannot be repaired until the next process unit turnaround; and
 - i. The total number of components monitored and the total number of components found leaking during the calendar year.
5. As required by OAC rule 3745-21-09(T), a copy of any monitoring log shall be retained by the permittee for a minimum of two years after the date on which the record was made or the report was prepared. A copy of any monitoring log shall immediately be made available to the Canton LAA upon verbal or written request, at any reasonable time.
 6. As required by OAC rule 3745-21-09(T), the permittee shall repair and retest any leaking component which is tagged and identified in accordance with Section A.III.3. as soon as possible, but no later than 15 days after the leak is found unless the leaking component cannot be repaired until a process turnaround occurs.
 7. As stated in OAC rule 3745-21-09(T), the director may require a process unit turnaround to occur earlier than the normally scheduled date if the number and severity of leaking components awaiting a turnaround warrant such action. Any such process unit turnaround shall be required by means of an order issued by the director to the permittee of the petroleum refinery pursuant to Division (R) of Section 3704.03 of the Revised Code.
 8. As stated in OAC rule 3745-21-09(T), the director may accept an alternative monitoring, record keeping and reporting program to replace that required by Section A.III.1. if the owner or operator of a petroleum refinery can demonstrate to the satisfaction of the director that the alternative program is at least as effective in identifying, documenting and reporting leaks from petroleum refinery equipment as the program outlined in Section A.III.1. For purposes of this paragraph, any proposed alternative program which the director finds comparable to the requirements of OAC 3745-21-09(DD)(12) or (DD)(13) shall be acceptable to the director.

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9. [40 CFR Part 60.482-3(d)]
In order to comply with 40 CFR Part 60.482-3(d), the compressor shall be equipped with a seal failure alarm that will alarm when the seal reservoir level has dropped, indicating a seal failure. If the barrier fluid system fails again, a low-level alarm shall indicate failure. In addition, a low, low-level shutdown will shut down the compressor in the event that the alarm condition is not remedied and the seal level continues to fall.

10. [40 CFR Part 60.482-3(e)]
In order to comply with 40 CFR Part 60.482-3(e), operations shall check the reservoir level of the compressor on a daily basis, and there shall be an audible alarm sounded in the control room indicating seal failure and compressor shutdown.

Pumps in light liquid service.

11. [40 CFR Part 60.482-2(a)(1)]
Each pumping light liquid service shall be monitored monthly to detect leaks by the methods specified in 40 CFR Part 60.482-1(c) and sections A.III.14 and A.III.15.
 - a. [40 CFR Part 60.482-2(a)(2)]
Each pump in light liquid service shall be checked by visual inspection each calendar week for indications of liquids dripping from the pump seal.
12. [40 CFR Part 60.482-2(b)(1)]
If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.
 - a. [40 CFR Part 60.482-2(b)(2)]
If there are indications of liquids dripping from the pump seal, a leak is detected.
13. [40 CFR Part 60.482-2(c)(1)]
When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 CFR Part 60.482-9.
 - a. [40 CFR Part 60.482(c)-2]
A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.
14. [40 CFR Part 60.482-2(d)]
Each pump equipped with a dual mechanical seal system that includes a barrier fluid system is exempt from the requirements of paragraph (a), *Provided* the following requirements are met:
 - a. [40 CFR Part 60.482-2(d)(1)]
Each dual mechanical seal system is —
 - i. Operated with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or
 - ii. Equipment with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed vent system to a control device that complies with the requirements of 40 CFR Part 60.482-10; or
 - iii. Equipped with a system that purges the barrier fluid into a process stream with

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zero VOC emissions to the atmosphere.

- b. [40 CFR Part 60.482-2(d)(2)]
The barrier fluid system is in heavy liquid service or is not in VOC service.

- c. [40 CFR Part 60.482-2(d)(3)]
Each barrier fluid system is equipped with a sensor that will detect failure of the seal system, the barrier fluid system, or both.
 - d. [40 CFR Part 60.482-2(d)(4)]
Each pump is checked by visual inspection, each calendar week, for indications of liquids dripping from the pump seals.
 - e. [40 CFR Part 60.482-2(d)(5)(i)]
Each sensor as described in section A.III.14.c. is checked daily or is equipped with an audible alarm, and
 - i. [40 CFR Part 60.482-2(d)(5)(ii)]
The permittee determines, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both.
 - f. [40 CFR Part 60.482-2(d)(6)(i)]
If there are indications of liquids dripping from the pump seal or the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined in section A.III.14.e.i., a leak is detected.
 - i. [40 CFR Part 60.482-2(d)(6)(ii)]
When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 CFR Part 60.482-9.
 - ii. [40 CFR Part 60.482-2(d)(6)(iii)]
A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.
15. [40 CFR Part 60.482-2(e)]
Any pump that is designated, as described in 40 CFR Part 60.486(e)(1) and (2), for no detectable emission, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the requirements of sections A.II.11., A.III.13. and A.III.14. if the pump:
- a. [40 CFR Part 60.482-2(e)(1)]
Has no externally actuated shaft penetrating the pump housing;

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- b. [40 CFR Part 60.482-2(e)(2)]
Is demonstrated to be operating with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background as measured by the methods specified in 40 CFR Part 60.485(c), and
 - c. [40 CFR Part 60.482-2(e)(3)]
Is tested for compliance with section A.III.15.b. of this section initially upon designation, annually, and at other times requested by the Administrator.
16. [40 CFR Part 60.482-2(g)]
Any pump that is designated, as described in 40 CFR Part 60.486(f)(1), as an unsafe-to-monitor pump is exempt from the monitoring and inspection requirements of sections A.III.11 and A.III.14 through A.III.14.f. if:
- a. [40 CFR Part 60.482-2(g)(1)]
The permittee demonstrates that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with paragraph (a) of this section; and
 - b. [40 CFR Part 60.482-2(g)(2)]
The permittee has a written plan that requires monitoring of the pump as frequently as practicable during safe-to monitor times but not more frequently than the periodic monitoring schedule otherwise applicable, and repair of the equipment according to the procedures in section A.III.13., if a leak is detected.
17. [40 CFR Part 60.482-2(h)]
Any pump that is located within the boundary of an unmanned plant site is exempt from the weekly visual inspection requirement of section A.III.11.a. and A.III.14.d. , and the daily requirements of section A.III.14.e., provided that each pump is visually inspected as often as practicable and at least monthly.

Valves in gas/vapor service and in light liquid service.

18. [40 CFR Part 60.482-7(a)]
Each valve shall be monitored monthly to detect leaks by the methods specified in 40 CFR Part 60.485(b) and shall comply with sections A.III.19 through A.III.22., except as provided in 40 CFR Part 60.483-1, 2, and 40 CFR Part 60.482-1(c).
19. [40 CFR Part 60.482-7(b)]
If an instrument reading of 10,000 ppm or greater is measured, a leak is detected.
20. [40 CFR Part 60.482-7(c)(1)]
Any valve for which a leak is not detected for 2 successive months may be monitored the first month of every quarter, beginning with the next quarter, until a leak is detected.
- a. [40 CFR Part 60.482-7(c)(2)]

If a leak is detected, the valve shall be monitored monthly until a leak is not detected for 2 successive months.

21. [40 CFR Part 60.482-7(d)(1)]

When a leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 60.482-9.

- a. [40 CFR Part 60.482-7(d)(2)]
A first attempt at repair shall be made no later than 5 calendar days after each leak is detected.
22. [40 CFR Part 60.482-7(2)(e)]
First attempts at repair include, but are not limited to, the following best practices where practicable:
- a. [40 CFR Part 60.482-7(e)(1)]
Tightening of bonnet bolts;
 - b. [40 CFR Part 60.482-7(e)(2)]
Replacement of bonnet bolts;
 - c. [40 CFR Part 60.482-7(e)(3)]
Tightening of packing gland nuts;
 - d. [40 CFR Part 60.482-7(e)(4)]
Injection of lubricant into lubricated packing.
23. [40 CFR Part 60.482-7(f)]
Any valve that is designated, as described in 40 CFR Part 60.486(e)(2), for no detectable emissions, as indicated by an instrument reading of less than 500 ppm above background, is exempt from the requirements of section A.III.18. if the valve:
- a. [40 CFR Part 60.482-7(f)(1)]
Has no external actuating mechanism in contact with the process fluid;
 - b. [40 CFR Part 60.482-7(f)(2)]
Is operated with emissions less than 500 ppm above background as determined by the method specified in 40 CFR Part 60.485(c); and
 - c. [40 CFR Part 60.482-7(f)(3)]
Is tested for compliance with Section A.III.23.b. of this section initially upon designation, annually, and at other times requested by the Administrator.
24. [40 CFR Part 60.482-7(g)]
Any valve that is designated, as described in 40 CFR Part 60.486(f)(1), as unsafe-to monitor valve is exempt from the requirements of section A.III.18.

- a. [40 CFR Part 60.482-7(g)(1)]
The permittee demonstrates that the valve is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with section A.III.18.

- b. [40 CFR Part 60.482-7(g)(2)]
The permittee adheres to a written plan that requires monitoring of the valve as frequently as practicable during safe-to-monitor times.
25. [40 CFR Part 60.482-7(h)]
Any valve that is designated, as described in 40 CFR Part 60.486(f)(2), as a difficult-to-monitor valve is exempt from the requirements of section A.III.18.
- a. [40 CFR Part 60.482-7(h)(1)]
The permittee demonstrates that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface.
 - b. [40 CFR Part 60.482-7(h)(2)]
The process unit within which the valve is located either becomes an affected facility through 40 CFR Part 60.14 or 60.15 or the permittee designates less than 3.0 percent of the total number of valves as difficult-to-monitor, and
 - c. [40 CFR Part 60.482-7(h)(3)]
The permittee follows a written plan that requires monitoring of the valve at least once per calendar year.

Recordkeeping Requirements

26. [40 CFR Part 60.486(b)]
When each leak is detected as specified in 40 CFR Parts 60.482-2, 60.482-7, 60.482-8, and 60.483-2, the following requirements apply:
- a. [40 CFR Part 60.486(b)(1)]
A weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the leaking equipment.
 - b. [40 CFR Part 60.486(b)(2)]
The identification on a valve may be removed after it has been monitored for 2 successive months as specified in 40 CFR Part 60.482-7(c) and no leak has been detected during those 2 months.
 - c. [40 CFR Part 60.486(b)(3)]
The identification on equipment except on a valve, may be removed after it has been repaired.
27. [40 CFR Part 60.486(c)]
When each leak is detected as specified in 40 CFR Parts 60.482-2, 60.482-3, 60.482-7, 60.482-8, and 60.483-2, the following information shall be recorded in a log and shall be kept for 2 years in a readily accessible location:

- a. [40 CFR Part 60.486(c)(1)]
The instrument and operator identification numbers and the equipment identification number.
 - b. [40 CFR Part 60.486(c)(2)]
The date the leak was detected and the dates of each attempt to repair the leak.
 - c. [40 CFR Part 60.486(c)(3)]
Repair methods applied in each attempt to repair the leak.
 - d. [40 CFR Part 60.486(c)(4)]
"Above 10,000" if the maximum instrument reading measured by the methods specified in 40 CFR Part 60.485(a) after each repair attempt is equal to or greater than 10,000 ppm.
 - e. [40 CFR Part 60.486(c)(5)]
"Repair delayed" and the reason for the delay if a leak is not repaired within 15 calendar days after discovery of the leak.
 - f. [40 CFR Part 60.486(c)(6)]
The signature of the permittee whose decision it was that repair could not be effected without a process shutdown.
 - g. [40 CFR Part 60.486(c)(7)]
The expected date of successful repair of the leak if a leak is not repaired within 15 days.
 - h. [40 CFR Part 60.486(c)(8)]
Dates of process unit shutdowns that occur while the equipment is unrepaired.
 - i. [40 CFR Part 60.486(c)(9)]
The date of successful repair of the leak.
28. [40 CFR Part 60.486(d)]
The following information pertaining to the design requirements for closed vent systems and control devices described in 40 CFR Part 60.482-10 shall be recorded and kept in a readily accessible location:
- a. [40 CFR Part 60.486(d)(1)]
Detailed schematics, design specifications, and piping and instrumentation diagrams.

- b. [40 CFR Part 60.486(d)(2)]
The dates and descriptions of any changes in the design specifications.
 - c. [40 CFR Part 60.486(d)(3)]
A description of the parameter or parameters monitored, as required in 40 CFR Part 60.482-10(e), to ensure that control devices are operated and maintained in conformance with their design and an explanation of why that parameter (or parameters) was (were) selected for the monitoring.
 - d. [40 CFR Part 60.486(d)(4)]
Periods when the closed vent systems and control devices required in 40 CFR Parts 60.482-2, 60.482-3, 60.482-4, and 60.482-5 are not operated as designed, including periods when a flare pilot light does not have a flame.
 - e. [40 CFR Part 60.486(d)(5)]
Dates of startups and shutdowns of the closed vent systems and control devices required in 40 CFR Parts 60.482-2, 60.482-3, 60.482-4, and 60.482-5.
29. [40 CFR Part 60.486(e)]
The following information pertaining to all equipment subject to the requirements in 40 CFR Parts 60.482-1 to 60.482-10 shall be recorded in a log that is kept in a readily accessible location:
- a. [40 CFR Part 60.486(e)(1)]
A list of identification numbers for equipment subject to the requirements of this subpart.
 - b. [40 CFR Part 60.486(e)(2)(i)]
A list of identification numbers for equipment that are designated for no detectable emissions under the provisions of 40 CFR Parts 60.482-2(e), 60.482-3(i) and 60.482-7(f).
 - i. [40 CFR Part 60.486(e)(2)(ii)]
The designation of equipment as subject to the requirements of 40 CFR Parts 60.482-2(e), 60.482-3(i), or 60.482-7(f) shall be signed by the owner or operator.
 - c. [40 CFR Part 60.486(e)(3)]
A list of equipment identification numbers for pressure relief devices required to comply with 40 CFR Part 60.482-4.
 - d. [40 CFR Part 60.486(e)(4)(i)]
The dates of each compliance test as required in 40 CFR Parts 60.482-2(e), 60.482-3(i), 60.482-4, and 60.482-7(f).

The following information shall be recorded in a log that is kept in a readily accessible location for use in determining exemptions as provided in 40 CFR Part 60.480(d):

- a. [40 CFR Part 60.486(i)(1)]
An analysis demonstrating the design capacity of the affected facility.
 - b. [40 CFR Part 60.486(i)(2)]
A statement listing the feed or raw materials and products from the affected facilities and an analysis demonstrating whether these chemicals are heavy liquids or beverage alcohol, and
 - c. [40 CFR Part 60.486(i)(3)]
An analysis demonstrating that equipment is not in VOC service.
34. [40 CFR Part 60.486(j)]
Information and data used to demonstrate that a piece of equipment is not in VOC service shall be recorded in a log that is kept in a readily accessible location.
35. [40 CFR Part 60.486(k)]
The provisions of 40 CFR Part 60.7(b) and (d) do not apply to affected facilities subject to this subpart.

IV. Reporting Requirements

1. [OAC rule 3745-21-09(T)]
The permittee shall submit a quarterly report which identifies the following during the previous three calendar months:
 - a. The total number of components monitored;
 - b. The total number of components found to be leaking;
 - c. The identity of components which were found to be leaking and which were not repaired within fifteen days; and
 - d. The identity of all leaking components which cannot be repaired until the next process turnaround.
2. The permittee is already submitting a report for fugitive VOC leaks from components in the rest of the facility. The permittee is not required to submit a separate report for the components

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associated with the Vacuum Unit Tailgas Compressor System, West Tank Farm Project, and the Gas Con Fin Fan project but can simply include them into this existing report.

3. This report shall be submitted to the Canton City Health Department, Air Pollution Control Division, 420 Market Avenue N., Canton Ohio 44702. The reports shall be submitted quarterly, i.e., by

January 15, April 15, July 15, and October 15 of each year and shall cover the previous calendar quarters.

4. [40 CFR Part 60.487(a)]
Each owner or operator subject to the provisions of this subpart shall submit semiannual reports to the Administrator beginning six months after the initial startup date.

5. [40 CFR Part 60.487(b)]
The initial semiannual report to the Administrator shall include the following information:

- a. [40 CFR Part 60.487(b)(1)]
Process unit identification.
- b. [40 CFR Part 60.487(b)(2)]
Number of valves subject to the requirements of 40 CFR Part 60.482-7, excluding those valves designated for no detectable emissions under the provisions of 40 CFR Part 60.482-2(e) and those pumps complying with 40 CFR Part 60.482-2(f).
- c. [40 CFR Part 60.487(b)(3)]
Number of pumps subject to the requirements of 40 CFR Part 60.482-2, excluding those pumps designated for no detectable emissions under the provisions of 40 CFR Part 60.482-2(e) and those pumps complying with 40 CFR Part 60.482-2(f).
- d. [40 CFR Part 60.487(b)(4)]
Number of compressors subject to the requirements of 40 CFR Part 60.482-3, excluding those compressors designated for no detectable emissions under the provisions of 40 CFR Part 60.482-3(i) and those compressors complying with 40 CFR Part 60.482-3(h).

6. [40 CFR Part 60.487(c)]
All semiannual reports to the Administrator shall include the following information, summarized from the information in 40 CFR Part 60.486:

- a. [40 CFR Part 60.487(c)(1)]
Process unit identification.
- b. [40 CFR Part 60.487(c)(2)]
For each month during the semiannual reporting period:
 - i. [40 CFR Part 60.487(c)(2)(i)]

Number of valves for which leaks were detected as described in 40 CFR Part 60.482(7)(b) or 40 CFR Part 60.483-2;

- ii. [40 CFR Part 60.487(c)(2)(ii)]
Number of valves for which leaks were not repaired as required in 40 CFR Part 60.482-7(d)(1);
- iii. [40 CFR Part 60.487(c)(2)(iii)]
Number of pumps for which leaks were detected as described in 40 CFR Part 60.482-2(b) and (d)(6)(i);
- iv. [40 CFR Part 60.487(c)(2)(iv)]
Number of pumps for which leaks were not repaired as required in 40 CFR Part 60.482-2(c)(1) and (d)(6)(ii);
- v. [40 CFR Part 60.487(c)(2)(v)]
Number of compressors for which leaks were detected as described in 40 CFR Part 60.482-3(f);
- vi. [40 CFR Part 60.487(c)(2)(vi)]
Number of compressors for which leaks were not repaired as required in 40 CFR Part 60.482-3(g)(1); and

- vii. [40 CFR Part 60.487(c)(2)(vii)]
The facts that explain each delay of repair and, where appropriate, why a process unit shutdown was technically infeasible.
 - c. [40 CFR Part 60.487(c)(3)]
Dates of process unit shutdowns which occurred within the semiannual reporting period.
 - d. [40 CFR Part 60.487(c)(4)]
Revisions to items reported according to paragraph (b) if changes have occurred since the initial report or subsequent revisions to the initial report.
- 7. [40 CFR Part 60.487(d)]
If the permittee elects to comply with the provisions of 40 CFR Parts 60.483-1 or 60.483-2 shall notify the Administrator of the alternative standard selected 90 days before implementing either of the provisions.
- 8. [40 CFR Part 60.487(e)]
The permittee shall report the results of all performance tests in accordance with 40 CFR Part 60.8 of the General Provisions. The provisions of 40 CFR Part 60.8(d) do not apply to affected facilities subject to the provisions of this subpart except that an owner or operator must notify the Administrator of the schedule for the initial performance tests at least 30 days before the initial performance tests.
- 9. [40 CFR Part 60.487(f)]
The requirements of sections A.IV.4. through A.IV.6. remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected sources within the State will be relieved of the obligation to comply with the requirements of sections A.IV.4 through A.IV.6. provided that they comply with the requirements established by the State.

V. Testing Requirements

- 1. Compliance with the emission limitation(s) of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation: 4.42 tons OC/yr
39.5 tons OC/yr
1.77 tons VOC/yr.

Applicable Compliance Method: This limit is for the fugitive organic compound emissions

from valves, pumps/compressors, drains, relief valves and flanges associated with the Vacuum Unit Tail Gas Compressor System, the West Tank Farm Piping System and the Gas Con Fin Fan projects. Using emission factors from AP-42 Table 9.1-2 (10/80 edition) and taking into account emission reduction efficiency values taken from EPA-450/3-81-015a, the emissions units should have annual emissions of less than the limits specified in Section A.I.1. The emission unit efficiency values are based on the fact that this equipment must meet the operational and monitoring/record keeping requirements of this permit.

VI. Miscellaneous Requirements

1. None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
<p>P013 Fugitive VOC Leaks from Petroleum Refinery Equipment</p> <p>This is a modification of this PTI by adding the following affected emission units: the Vacuum Unit Tailgas Compressor System, the valves pumps and flanges for the west tank farm, and the flanges and valves installed with the Gas Condebutanizer overhead Air cooled heater. These emission units are not subject to 40 CFR Parts 63, Subpart CC or 40 CFR Part 63, Subpart UUU (Refinery MACT's)</p>	<p>NONE</p>	<p>NONE</p>

2. Additional Terms and Conditions

2.a NONE

II. Operational Restrictions

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NONE

III. Monitoring and/or Recordkeeping Requirements

NONE

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IV. Reporting Requirements

NONE

V. Testing Requirements

NONE

VI. Miscellaneous Requirements

NONE

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