



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: March 5, 2007
RE: Marathon Pipeline, LLC / 011-23917-00004
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER.dot 03/23/06



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Indianapolis, Indiana 46204-2251
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Minor Source Operating Permit Renewal OFFICE OF AIR QUALITY

**Marathon Pipeline, LLC
State Road 32 East
Lebanon, Indiana 46052**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 011-23917-00004	
Issued by: <i>Original document signed by</i> Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: March 5, 2007 Expiration Date: March 5, 2012

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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 through A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a storage and transport of crude oil source.

Source Address:	State Road 32 East, Lebanon, Indiana 46052
Mailing Address:	539 South Main Street, Findlay, OH 45840
General Source Phone Number:	419-421-3385
SIC Code:	4612
County Location:	Boone
Source Location Status:	Nonattainment for 8-hour ozone Attainment for all other criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) vertical external floating roof storage tank, identified as 14, installed in 1968, with an average annual throughput of 17,849,090 gallons, maximum capacity: 6,015,828 gallons of crude oil.
- (b) One (1) vertical external floating roof storage tank, identified as 15, installed in 1968, with new primary and secondary seals installed in 2001 and an average annual throughput of 8,966,118 gallons, maximum capacity: 6,015,828 gallons of crude oil.
- (c) One (1) vertical external floating roof storage tank, identified as 16, installed in 1968, with an average annual throughput of 13,011,071 gallons, maximum capacity: 6,013,896 gallons of crude oil.
- (d) One (1) vertical external floating roof storage tank, identified as 17, installed in 1968, with an average annual throughput of 13,440,322 gallons, maximum capacity: 6,012,006 gallons of crude oil.
- (e) One (1) vertical external floating roof storage tank, identified as 18, installed in 1968, with new primary and secondary seals installed in 2002, with an average annual throughput of 13,536,656 gallons, maximum capacity: 6,013,896 gallons of crude oil.
- (f) One (1) vertical external floating roof storage tank, identified as 2501, installed in 1979, with an estimated maximum annual throughput of zero (0) gallons, maximum capacity: 9,525,978 gallons of crude oil. This is an affected facility pursuant to 40 CFR 60, Subpart Ka.

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Permit Term [326 IAC 2-6.1-7(a)] [326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]

- (a) This permit, 011-23917-00004, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-3-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification

- (a) Where specifically designated by this permit or required by an applicable requirement, any

application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Compliance Branch, Office of Air Quality
Indiana Department of Environmental Management
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.10 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
 - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to 011-23917-00004 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
 - (2) revised or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.12 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least ninety (90) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.13 Permit Renewal [326 IAC 2-6.1-7]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least ninety (90) days prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.14 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.15 Source Modification Requirement

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.16 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [IC 13-14-2-2] [IC 13-17-3-2] [IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.17 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.18 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.19 Credible Evidence [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the

property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-6.1-5(a)(2)]

C.8 Performance Testing [326 IAC 3-6]

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U.S. EPA.

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

C.10 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]

C.12 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.13 General Record Keeping Requirements [326 IAC 2-6.1-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.14 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) Reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require

- (d) the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Storage Tanks

- (a) One (1) vertical external floating roof storage tank, identified as 14, installed in 1968, with an average annual throughput of 17,849,090 gallons, maximum capacity: 6,015,828 gallons of crude oil.
- (b) One (1) vertical external floating roof storage tank, identified as 15, installed in 1968, with new primary and secondary seals installed in 2001 and an average annual throughput of 6,015,828 gallons, maximum capacity: 4,915,806 gallons of crude oil.
- (c) One (1) vertical external floating roof storage tank, identified as 16, installed in 1968, with an average annual throughput of 13,011,071 gallons, maximum capacity: 6,013,896 gallons of crude oil.
- (d) One (1) vertical external floating roof storage tank, identified as 17, installed in 1968, with an average annual throughput of 13,440,322 gallons, maximum capacity: 6,012,006 gallons of crude oil.
- (e) One (1) vertical external floating roof storage tank, identified as 18, installed in 1968, with new primary and secondary seals installed in 2002, with an average annual throughput of 13,536,656 gallons, maximum capacity: 6,013,896 gallons of crude oil.
- (f) One (1) vertical external floating roof storage tank, identified as 2501, installed in 1979, with an estimated maximum annual throughput of zero (0) gallons, maximum capacity: 9,525,978 gallons of crude oil. This is an affected facility pursuant to 40 CFR 60, Subpart Ka.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

New Source Performance Standards (NSPS) Requirements

D.1.1 General Provisions Relating to NSPS, Subpart Ka [326 IAC 12-1] [40 CFR Part 60, Subpart A]

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1-1 for the one (1) vertical external floating roof storage tank, identified as 2501.
- (b) Pursuant to 40 CFR 60.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue,
Indianapolis, Indiana 46204-2251

D.1.2 NSPS, Subpart Ka, Requirements [40 CFR Part 60, Subpart Ka]

Pursuant to 40 CFR Part 60, Subpart Ka, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart Ka, for the one (1) vertical external floating roof storage tank, identified as 2501, as specified as follows.

§ 60.110a Applicability and designation of affected facility.

- (a) *Affected facility.* Except as provided in paragraph (b) of this section, the affected facility to which this subpart applies is each storage vessel with a storage capacity greater than 151,416 liters (40,000 gallons) that is used to store petroleum liquids for which construction is commenced after May 18, 1978.

§ 60.111a *Definitions.*

In addition to the terms and their definitions listed in the Act and subpart A of this part the following definitions apply in this subpart:

- (a) *Storage vessel* means each tank, reservoir, or container used for the storage of petroleum liquids, but does not include:
 - (1) Pressure vessels which are designed to operate in excess of 204.9 kPa (15 psig) without emissions to the atmosphere except under emergency conditions.
 - (2) Subsurface caverns or porous rock reservoirs, or
 - (3) Underground tanks if the total volume of petroleum liquids added to and taken from a tank annually does not exceed twice the volume of the tank.
- (b) *Petroleum liquids* means petroleum, condensate, and any finished or intermediate products manufactured in a petroleum refinery but does not mean Nos. 2 through 6 fuel oils as specified in ASTM D396–78, 89, 90, 92, 96, or 98, gas turbine fuel oils Nos. 2–GT through 4–GT as specified in ASTM D2880–78 or 96, gas turbine fuel oils Nos. 2–GT through 4–GT as specified in ASTM D2880–78 or 96, or diesel fuel oils Nos. 2–D and 4–D as specified in ASTM D975–78, 96, or 98a. (These three methods are incorporated by reference—see §60.17.)
- (c) *Petroleum refinery* means each facility engaged in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, lubricants, or other products through distillation of petroleum or through redistillation, cracking, extracting, or reforming of unfinished petroleum derivatives.
- (d) *Petroleum* means the crude oil removed from the earth and the oils derived from tar sands, shale, and coal.
- (e) *Condensate* means hydrocarbon liquid separated from natural gas which condenses due to changes in the temperature or pressure, or both, and remains liquid at standard conditions.
- (f) *True vapor pressure* means the equilibrium partial pressure exerted by a petroleum liquid such as determined in accordance with methods described in American Petroleum Institute Bulletin 2517, Evaporation Loss from External Floating-Roof Tanks, Second Edition, February 1980 (incorporated by reference—see §60.17).
- (g) *Reid vapor pressure* is the absolute vapor pressure of volatile crude oil and nonviscous petroleum liquids, except liquified petroleum gases, as determined by ASTM D323–82 or 94 (incorporated by reference—see §60.17).
- (h) *Liquid-mounted seal* means a foam or liquid-filled primary seal mounted in contact with the liquid between the tank wall and the floating roof continuously around the circumference of the tank.
- (i) *Metallic shoe seal* includes but is not limited to a metal sheet held vertically against the tank wall by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- (j) *Vapor-mounted seal* means a foam-filled primary seal mounted continuously around the circumference of the tank so there is an annular vapor space underneath the seal. The annular vapor space is bounded by the bottom of the primary seal, the tank wall, the liquid surface, and the floating roof.

- (k) *Custody transfer* means the transfer of produced petroleum and/or condensate, after processing and/or treating in the producing operations, from storage tanks or automatic transfer facilities to pipelines or any other forms of transportation.

§ 60.112a *Standard for volatile organic compounds (VOC).*

- (a) The owner or operator of each storage vessel to which this subpart applies which contains a petroleum liquid which, as stored, has a true vapor pressure equal to or greater than 10.3 kPa (1.5 psia) but not greater than 76.6 kPa (11.1 psia) shall equip the storage vessel with one of the following:
- (1) An external floating roof, consisting of a pontoon-type or double-deck-type cover that rests on the surface of the liquid contents and is equipped with a closure device between the tank wall and the roof edge. Except as provided in paragraph (a)(1)(ii)(D) of this section, the closure device is to consist of two seals, one above the other. The lower seal is referred to as the primary seal and the upper seal is referred to as the secondary seal. The roof is to be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.
- (i) The primary seal is to be either a metallic shoe seal, a liquid-mounted seal, or a vapor-mounted seal. Each seal is to meet the following requirements:
- (A) The accumulated area of gaps between the tank wall and the metallic shoe seal or the liquid-mounted seal shall not exceed 212 cm² per meter of tank diameter (10.0 in² per ft of tank diameter) and the width of any portion of any gap shall not exceed 3.81 cm (1 1/2 in).
- (B) The accumulated area of gaps between the tank wall and the vapor-mounted seal shall not exceed 21.2 cm² per meter of tank diameter (1.0 in² per ft of tank diameter) and the width of any portion of any gap shall not exceed 1.27 cm (1/2 in).
- (C) One end of the metallic shoe is to extend into the stored liquid and the other end is to extend a minimum vertical distance of 61 cm (24 in) above the stored liquid surface.
- (D) There are to be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope.
- (ii) The secondary seal is to meet the following requirements:
- (A) The secondary seal is to be installed above the primary seal so that it completely covers the space between the roof edge and the tank wall except as provided in paragraph (a)(1)(ii)(B) of this section.
- (B) The accumulated area of gaps between the tank wall and the secondary seal used in combination with a metallic shoe or liquid-mounted primary seal shall not exceed 21.2 cm² per meter of tank diameter (1.0 in² per ft. of tank diameter) and the width of any portion of any gap shall not exceed 1.27 cm (1/2 in.). There shall be no gaps between the tank wall and the secondary seal used in combination with a vapor-mounted primary seal.
- (C) There are to be no holes, tears or other openings in the seal or seal fabric.
- (D) The owner or operator is exempted from the requirements for secondary seals and the secondary seal gap criteria when performing gap measurements or inspections of the primary seal.

- (iii) Each opening in the roof except for automatic bleeder vents and rim space vents is to provide a projection below the liquid surface. Each opening in the roof except for automatic bleeder vents, rim space vents and leg sleeves is to be equipped with a cover, seal or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use or as described in paragraph (a)(1)(iv) of this section. Automatic bleeder vents are to be closed at all times when the roof is floating, except when the roof is being floated off or is being landed on the roof leg supports. Rim vents are to be set to open when the roof is being floated off the roof legs supports or at the manufacturer's recommended setting.
- (iv) Each emergency roof drain is to be provided with a slotted membrane fabric cover that covers at least 90 percent of the area of the opening.
- (2) A fixed roof with an internal floating type cover equipped with a continuous closure device between the tank wall and the cover edge. The cover is to be floating at all times, (i.e., off the leg supports) except during initial fill and when the tank is completely emptied and subsequently refilled. The process of emptying and refilling when the cover is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible. Each opening in the cover except for automatic bleeder vents and the rim space vents is to provide a projection below the liquid surface. Each opening in the cover except for automatic bleeder vents, rim space vents, stub drains and leg sleeves is to be equipped with a cover, seal, or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. Automatic bleeder vents are to be closed at all times when the cover is floating except when the cover is being floated off or is being landed on the leg supports. Rim vents are to be set to open only when the cover is being floated off the leg supports or at the manufacturer's recommended setting.
- (3) A vapor recovery system which collects all VOC vapors and gases discharged from the storage vessel, and a vapor return or disposal system which is designed to process such VOC vapors and gases so as to reduce their emission to the atmosphere by at least 95 percent by weight.
- (4) A system equivalent to those described in paragraphs (a)(1), (a)(2), or (a)(3) of this section as provided in §60.114a.

§ 60.113a Testing and procedures.

- (a) Except as provided in §60.8(b) compliance with the standard prescribed in §60.112a shall be determined as follows or in accordance with an equivalent procedure as provided in §60.114a.
 - (1) The owner or operator of each storage vessel to which this subpart applies which has an external floating roof shall meet the following requirements:
 - (i) Determine the gap areas and maximum gap widths between the primary seal and the tank wall and between the secondary seal and the tank wall according to the following frequency:
 - (A) For primary seals, gap measurements shall be performed within 60 days of the initial fill with petroleum liquid and at least once every five years thereafter. All primary seal inspections or gap measurements which require the removal or dislodging of the secondary seal shall be accomplished as rapidly as possible and the secondary seal shall be replaced as soon as possible.
 - (B) For secondary seals, gap measurements shall be performed within 60 days of the initial fill with petroleum liquid and at least once every year thereafter.

- (C) If any storage vessel is out of service for a period of one year or more, subsequent refilling with petroleum liquid shall be considered initial fill for the purposes of paragraphs (a)(1)(i)(A) and (a)(1)(i)(B) of this section.
 - (D) Keep records of each gap measurement at the plant for a period of at least 2 years following the date of measurement. Each record shall identify the vessel on which the measurement was performed and shall contain the date of the seal gap measurement, the raw data obtained in the measurement process required by paragraph (a)(1)(ii) of this section and the calculation required by paragraph (a)(1)(iii) of this section.
 - (E) If either the seal gap calculated in accord with paragraph (a)(1)(iii) of this section or the measured maximum seal gap exceeds the limitations specified by §60.112a of this subpart, a report shall be furnished to the Administrator within 60 days of the date of measurements. The report shall identify the vessel and list each reason why the vessel did not meet the specifications of §60.112a. The report shall also describe the actions necessary to bring the storage vessel into compliance with the specifications of §60.112a.
- (ii) Determine gap widths in the primary and secondary seals individually by the following procedures:
 - (A) Measure seal gaps, if any, at one or more floating roof levels when the roof is floating off the roof leg supports.
 - (B) Measure seal gaps around the entire circumference of the tank in each place where a 1/8-inch diameter uniform probe passes freely (without forcing or binding against seal) between the seal and the tank wall and measure the circumferential distance of each such location.
 - (C) The total surface area of each gap described in paragraph (a)(1)(ii)(B) of this section shall be determined by using probes of various widths to accurately measure the actual distance from the tank wall to the seal and multiplying each such width by its respective circumferential distance.
 - (iii) Add the gap surface area of each gap location for the primary seal and the secondary seal individually. Divide the sum for each seal by the nominal diameter of the tank and compare each ratio to the appropriate ratio in the standard in §60.112a(a)(1)(i) and §60.112a(a)(1)(ii).
 - (iv) Provide the Administrator 30 days prior notice of the gap measurement to afford the Administrator the opportunity to have an observer present.
 - (2) The owner or operator of each storage vessel to which this subpart applies which has a vapor recovery and return or disposal system shall provide the following information to the Administrator on or before the date on which construction of the storage vessel commences:
 - (i) Emission data, if available, for a similar vapor recovery and return or disposal system used on the same type of storage vessel, which can be used to determine the efficiency of the system. A complete description of the emission measurement method used must be included.
 - (ii) The manufacturer's design specifications and estimated emission reduction capability of the system.
 - (iii) The operation and maintenance plan for the system.

- (iv) Any other information which will be useful to the Administrator in evaluating the effectiveness of the system in reducing VOC emissions.

60.115a Monitoring of operations.

- (a) Except as provided in paragraph (d) of this section, the owner or operator subject to this subpart shall maintain a record of the petroleum liquid stored, the period of storage, and the maximum true vapor pressure of that liquid during the respective storage period.
- (b) Available data on the typical Reid vapor pressure and the maximum expected storage temperature of the stored product may be used to determine the maximum true vapor pressure from nomographs contained in API Bulletin 2517, unless the Administrator specifically requests that the liquid be sampled, the actual storage temperature determined, and the Reid vapor pressure determined from the sample(s).
- (c) The true vapor pressure of each type of crude oil with a Reid vapor pressure less than 13.8 kPa (2.0 psia) or whose physical properties preclude determination by the recommended method is to be determined from available data and recorded if the estimated true vapor pressure is greater than 6.9 kPa (1.0 psia).

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

**MINOR SOURCE OPERATING PERMIT
CERTIFICATION**

Source Name: Marathon Pipeline, LLC
Source Address: State Road 32 East, Lebanon, Indiana 46052
Mailing Address: 539 South Main Street, Findlay, Ohio 45840
Permit No.: MSOP 011-23917-00004

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify) _____
- Report (specify) _____
- Notification (specify) _____
- Affidavit (specify) _____
- Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH**

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Source Name:	Marathon Pipeline, LLC
Address:	State Road 32 East
City:	Lebanon, Indiana 46052
Phone #:	419-421-3385
MSOP #:	011-23917-00004

I hereby certify that Marathon Pipeline, LLC is

- still in operation.
- no longer in operation.

I hereby certify that Marathon Pipeline, LLC is

- in compliance with the requirements of MSOP 011-23917-00004.
- not in compliance with the requirements of MSOP 011-23917-00004.

Authorized Individual (typed):
Title:
Signature:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

MALFUNCTION REPORT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FAX NUMBER - 317 233-6865**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6
and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?_____, 25 TONS/YEAR SULFUR DIOXIDE ?_____, 25 TONS/YEAR NITROGEN OXIDES?_____, 25 TONS/YEAR VOC ?_____, 25 TONS/YEAR HYDROGEN SULFIDE ?_____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?_____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?_____, 25 TONS/YEAR FLUORIDES ?_____, 100TONS/YEAR CARBON MONOXIDE ?_____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?_____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?_____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?_____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?_____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _____ OR, PERMIT CONDITION # _____ AND/OR PERMIT LIMIT OF _____

THIS INCIDENT MEETS THE DEFINITION OF >MALFUNCTION= AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY: _____ PHONE NO. () _____
LOCATION: (CITY AND COUNTY) _____
PERMIT NO. _____ AFS PLANT ID: _____ AFS POINT ID: _____ INSP: _____
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: _____

DATE/TIME MALFUNCTION STARTED: ____/____/20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE ____/____/20____ _____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: _____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES: _____

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: _____

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: _____

INTERIM CONTROL MEASURES: (IF APPLICABLE) _____

MALFUNCTION REPORTED BY: _____ TITLE: _____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

*SEE PAGE 2

Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

**Indiana Department of Environmental Management
Office of Air Quality**

**Addendum to the
Technical Support Document for a Minor Source Operating Permit**

Source Name: Marathon Pipeline, LLC
Source Location: State Road 32 East, Lebanon, IN 46052
County: Boone
Permit No.: MSOP 011-23917-00004
SIC Code: 4612
Permit Reviewer: Michael A. Morrone

On January 26, 2007, the Office of Air Quality (OAQ) had a notice published in the Lebanon Reporter, Lebanon, Indiana, stating that Marathon Pipeline, LLC had applied for an operating permit renewal to continue to operate a storage and transport of crude oil source. The notice also stated that OAQ proposed to issue a permit for this source and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit renewal should be issued as proposed.

On January 31, 2007, Gary R. Wilson of Marathon Pipeline, LLC submitted comments on the proposed operating permit renewal. The summary of the comments and corresponding responses are as follows: The permit language, if changed, has deleted language as ~~strikeouts~~ and new language **bolded**.

Comment 1:

Section D.1 of the permit indicates that tank 17 received new seals in 2002. This applies to tank 18, not 17. Section A.2 and the TSD are correct.

Response 1:

Section D.1 of the permit has been corrected as follows:

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Storage Tanks

- (a) One (1) vertical external floating roof storage tank, identified as 14, installed in 1968, with an average annual throughput of 17,849,090 gallons, maximum capacity: 6,015,828 gallons of crude oil.
- (b) One (1) vertical external floating roof storage tank, identified as 15, installed in 1968, with new primary and secondary seals installed in 2001 and an average annual throughput of 6,015,828 gallons, maximum capacity: 4,915,806 gallons of crude oil.
- (c) One (1) vertical external floating roof storage tank, identified as 16, installed in 1968, with an average annual throughput of 13,011,071 gallons, maximum capacity: 6,013,896 gallons of crude oil.
- (d) One (1) vertical external floating roof storage tank, identified as 17, installed in 1968, ~~with new primary and secondary seals installed in 2002~~, with an average annual throughput of 13,440,322 gallons, maximum capacity: 6,012,006 gallons of crude oil.

- (e) One (1) vertical external floating roof storage tank, identified as 18, installed in 1968, **with new primary and secondary seals installed in 2002**, with an average annual throughput of 13,536,656 gallons, maximum capacity: 6,013,896 gallons of crude oil.
- (f) One (1) vertical external floating roof storage tank, identified as 2501, installed in 1979, with an estimated maximum annual throughput of zero (0) gallons, maximum capacity: 9,525,978 gallons of crude oil. This is an affected facility pursuant to 40 CFR 60, Subpart Ka.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

OAQ has made the following change to Condition A.1. of the Permit:

A.1 General Information [326 IAC 2-5.1-3(c)] [326 IAC 2-6.1-4(a)]

The Permittee owns and operates a storage and transport of crude oil source.

Authorized Individual:	President
Source Address:	State Road 32 East, Lebanon, Indiana 46052
Mailing Address:	539 South Main Street, Findlay, OH 45840
General Source Phone Number:	419-421-3385
SIC Code:	4612
County Location:	Boone
Source Location Status:	Nonattainment for 8-hour ozone Attainment for all other criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

**Indiana Department of Environmental Management
Office of Air Quality**

**Technical Support Document (TSD) for
a Minor Source Operating Permit Renewal**

Source Background and Description

Source Name:	Marathon Pipeline, LLC
Source Location:	State Road 32 East, Lebanon, IN 46052
County:	Boone
SIC Code:	4612
Operation Permit No.:	MSOP 011-14846-00004
Operation Permit Issuance Date:	February 21, 2002
Permit Renewal No.:	MSOP 011-23917-00004
Permit Reviewer:	Michael A. Morrone

The Office of Air Quality (OAQ) has reviewed an application from Marathon Pipeline, LLC relating to the operation of a storage and transport of crude oil source.

History

The source has stated that the one (1) vertical external floating roof storage tank, identified as 2501, has been cleaned and emptied and has had no annual throughput of crude oil since their last MSOP was issued. Current emission levels indicate that this source would be a registration, however, since the source would like to keep the one (1) vertical external floating roof storage tank, identified as 2501, installed at the source in anticipation of future use, the potential VOC emissions could increase above twenty-five (25.0) tons per year at some point. Therefore, the source will remain an MSOP.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

- (a) One (1) vertical external floating roof storage tank, identified as 14, installed in 1968, with an estimated maximum annual throughput of 17,849,090 gallons, maximum capacity: 6,015,828 gallons of crude oil.
- (b) One (1) vertical external floating roof storage tank, identified as 15, installed in 1968, with new primary and secondary seals installed in 2001 and an estimated maximum annual throughput of 8,966,118 gallons, maximum capacity: 6,015,828 gallons of crude oil.
- (c) One (1) vertical external floating roof storage tank, identified as 16, installed in 1968, with an estimated maximum annual throughput of 13,011,071 gallons, maximum capacity: 6,013,896 gallons of crude oil.
- (d) One (1) vertical external floating roof storage tank, identified as 17, installed in 1968, with an estimated maximum annual throughput of 13,440,322 gallons, maximum capacity: 6,012,006 gallons of crude oil.
- (e) One (1) vertical external floating roof storage tank, identified as 18, installed in 1968, with new primary and secondary seals installed in 2002, with an estimated maximum annual throughput of 13,536,656 gallons, maximum capacity: 6,013,896 gallons of crude oil.
- (f) One (1) vertical external floating roof storage tank, identified as 2501, installed in 1979, with an estimated maximum annual throughput of zero (0) gallons, maximum capacity:

9,525,978 gallons of crude oil. This is an affected facility pursuant to 40 CFR 60, Subpart Ka.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units operating at this source during this review process.

New Emission Units and Pollution Control Equipment

There are no proposed emission units during this review process.

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

- (a) MSOP 011-14846-00004, issued on February 21, 2002; and
- (b) MSOP NOC 011-15754-00004, issued on July 2, 2002.

All conditions from previous approvals were incorporated into this permit.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

There are no stacks associated with the emission units that comprise the source.

Recommendation

The staff recommends to the Commissioner that the operation be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on November 20, 2006, with additional information received on December 13, 2006.

Emission Calculations

Information received from the applicant during the previous MSOP review indicated that the maximum potential VOC emissions from the source are no greater than fifty (50.0) tons per year when operating all tanks at the source. See pages 1 through 4 of Appendix A of this document for detailed emissions calculations.

Potential to Emit of the Source Before Controls

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount

of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA, the department, or the appropriate local air pollution control agency.”

Pollutant	Potential to Emit (tons/yr)
PM	0.00
PM ₁₀	0.00
SO ₂	0.00
VOC	50.0
CO	0.00
NO _x	0.00

HAPs	Potential to Emit (tons/yr)
Toluene	2.50
Xylene	2.50
Hydrogen Sulfide	2.00
Hexane	1.50
Benzene	1.00
Total	9.50

- (a) The potential to emit of VOC is greater than twenty-five (25.0) tons per year and less than one hundred (100) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. An MSOP will be issued.
- (b) The potential to emit any single HAP is less than ten (10.0) tons per year and the potential to emit a combination of all HAPs is less than twenty-five (25.0) tons per year. Therefore, the source is not subject to the requirements of 326 IAC 2-7, Part 70.

County Attainment Status

The source is located in Boone County.

Pollutant	Status
PM _{2.5}	attainment
PM ₁₀	attainment
SO ₂	attainment
NO _x	attainment
8-Hour Ozone	basic nonattainment
CO	attainment

Pollutant	Status
Lead	attainment

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Boone County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements of 326 IAC 2-3, Emission Offset. See the State Rule Applicability - Entire Source section of this document.
- (b) Boone County has been classified as unclassifiable or attainment for PM_{2.5}. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM_{2.5} emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM_{2.5} emissions, it has directed states to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions. See the State Rule Applicability – Entire Source section of this document.
- (c) Boone County has been classified as attainment or unclassifiable in Indiana for all remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability - Entire Source section of this document.
- (d) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 redesignating Delaware, Greene, Jackson, Vanderburgh, Vigo and Warrick Counties to attainment for the eight-hour ozone standard, redesignating Lake County to attainment for the sulfur dioxide standard, and revoking the one-hour ozone standard in Indiana.
- (e) Fugitive Emissions
 Since this type of operation is one of the 28 listed source categories under 326 IAC 2-2 or 2-3 and since there are applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are counted toward determination of PSD and Emission Offset applicability.

Source Status

Existing Source PSD, Part 70, or FESOP Definition (emissions after controls, based on 8,760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/yr)
PM	0.00
PM ₁₀	0.00
SO ₂	0.00
VOC	50.0
CO	0.00
NO _x	0.00

Pollutant	Emissions (tons/yr)
Single HAP	2.50
Combination HAPs	9.50

- (a) This existing source is not a major stationary source because even though it is one of the twenty-eight (28) listed source categories, it does not emit one-hundred (100) tons per year or greater of any regulated pollutant.
- (b) Emissions were based on source data and are included as pages 1 through 4 of Appendix A of this document.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source is still not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than one-hundred (100) tons per year,
- (b) a single hazardous air pollutant (HAP) is less than ten (10) tons per year, and
- (c) the combination of HAPs is less than twenty-five (25) tons per year.

This status is based on all the air approvals issued to the source. This status has been verified by the OAQ inspector assigned to the source.

Federal Rule Applicability

- (a) The five (5) vertical external floating roof storage tanks, identified as 14 through 18, were installed in 1968 and the one (1) vertical external floating roof storage tank, identified as 2501, was installed in 1979. Therefore, the requirements of 40 CFR 60, Subpart K, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978, are not included in the permit.
- (b) The one (1) vertical external floating roof storage tank, identified as 2501, was installed in 1979 and has a capacity of 9,525,978 gallons, which is greater than 40,000 gallons. Therefore, the requirements of 40 CFR 60, Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984, are included in the permit for the one (1) vertical external floating roof storage tank, identified as 2501.

The one (1) vertical external floating roof storage tank, identified as 2501, is subject to the following portions of Subpart Ka:

- (1) 40 CFR 60.110a(a)
- (2) 40 CFR 60.111a
- (3) 40 CFR 60.112a(a)

- (4) 40 CFR 60.113a(a)
- (5) 40 CFR 60.115a(a), (b), and (c)
- (c) The five (5) vertical external floating roof storage tanks, identified as 14 through 18, were installed in 1968 and the one (1) vertical external floating roof storage tank, identified as 2501, was installed in 1979. Therefore, the requirements of 40 CFR 60, Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, are not included in the permit.
- (d) There are no other New Source Performance Standards included in the permit for this source.
- (e) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 20 and 40 CFR Part 61, 63) included in the permit for this source.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

The unrestricted potential emissions of each attainment criteria pollutant are less than one-hundred (100) tons per year, which is less than two-hundred fifty (250) tons per year. Therefore, this source, which is one of the twenty-eight (28) listed source categories, is a minor source pursuant to 326 IAC 2-2, PSD.

326 IAC 2-3 (Emission Offset)

The unrestricted potential VOC emissions and the unrestricted potential NO_x emissions are each less than one-hundred (100) tons per year. Therefore, this source is a minor source pursuant to 326 IAC 2-3, Emission Offset.

326 IAC 2-4.1-1 (New source toxics control)

The operation of the source will emit less than ten (10) tons per year of a single HAP and twenty-five (25) tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is not located in Lake or Porter County with the potential to emit greater than twenty-five (25) tons per year of NO_x, does not emit five (5) tons per year or more of lead and does not require a Part 70 Operating Permit. Therefore, the requirements of 326 IAC 2-6 do not apply.

326 IAC 5-1 (Opacity Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity limitations), except as provided in 326 IAC 5-1-3 (Temporary alternative opacity limitations), opacity shall meet the following, unless otherwise stated in the permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A,

Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

State Rule Applicability – Individual Facilities

326 IAC 8-1-6 (New facilities; general reduction requirements)

All of the facilities at the source were constructed before January 1, 1980. Therefore, the requirements of 326 IAC 8-1-6, New facilities, general reduction requirements, are not applicable.

326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)

- (a) The four (4) vertical external floating roof storage tanks, identified as 14, 16, 17, and 2501 were installed before January 1, 1980. Therefore, pursuant to 326 IAC 8-4-1(d), the requirements of 326 IAC 8-4-3, Petroleum Liquid Storage Facilities, are not applicable.
- (b) The two (2) vertical external floating roof storage tanks, identified as 15 and 18, were installed before January 1, 1980. Even though a new primary and secondary seal were installed in 2001 on Tank 15 and in 2002 on Tank 18, these are not considered modifications because the potential to emit did not increase. In addition, the addition of the new seals is not considered a reconstruction (as defined in 326 IAC 1-2-65) of the two (2) vertical external floating roof storage tanks, identified as 15 and 18, because the installation cost was less than fifty percent (50.0%) of the replacement cost of the tank. Therefore, pursuant to 326 IAC 8-4-1(d), the requirements of 326 IAC 8-4-3, Petroleum Liquid Storage Facilities, are not applicable.

326 IAC 8-4-4 (Bulk Gasoline Terminals)

The six (6) vertical external floating roof storage tanks, identified as 14-18 and 2501, store crude oil. Therefore, the requirements of 326 IAC 8-4-4, Bulk Gasoline Terminals, are not applicable.

326 IAC 8-6 (Organic Solvent Emission Limitations)

- (a) The five (5) vertical external floating roof storage tanks, identified as 14 through 18, were constructed before October 7, 1974. Therefore, the requirements of 326 IAC 8-6, Organic Solvent Emission Limitations, are not applicable.
- (b) The one (1) vertical external floating roof storage tank, identified as 2501, was constructed in 1979, but has potential VOC emissions of less than one-hundred (100) tons per year. Therefore, the requirements of 326 IAC 8-6, Organic Solvent Emission Limitations, are not applicable.

326 IAC 8-9 (Volatile Organic Liquid Storage Vessels)

The source is located in Boone County. Therefore, the requirements of 326 IAC 8-9, Volatile Organic Liquid Storage Vessels, are not applicable.

326 IAC 12-1 (New Source Performance Standards)

The source is subject to a New Source Performance Standard, 40 CFR 60, Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984. Therefore, the requirements of 326 IAC 12-1 are applicable because the rule incorporates by reference the provisions of 40 CFR 60.

Testing Requirements

There are no testing requirements applicable to this source. All VOC and HAPs emissions were calculated using Version 4.09d of the USEPA's TANKS software program, based on the estimated maximum annual throughputs at each of the tanks and also on an MSDS provided by the source.

Conclusion

The operation of this storage and transport of crude oil source shall be subject to the conditions of the **Minor Source Operating Permit 011-23917-00004**.

**Appendix A: Emissions Calculations
Process Fugitive Emissions**

Company Name: Marathon Pipeline, LLC
Address City IN Zip: State Road 32 East, Lebanon, IN 46052
MSOP Renewal: 011-23917-00004
Plt ID: 011-00004
Reviewer: Michael A. Morrone
Application Date: November 20, 2006

Component Type	Service	Emission Factor (lbs/hr-component)	Quantity	VOC Emissions (lbs/hr)	VOC Emissions (tons/yr)
Flange/screwed Connections	Light Oil	0.0002	283	0.057	0.248
Valves	Light Oil	0.006	103	0.618	2.71
Pump Seals	Light Oil	0.029	4.00	0.116	0.508
Mixers	Light Oil	0.017	6.00	0.102	0.447
Meters	Light Oil	0.017	5.00	0.085	0.372
Strainers	Light Oil	0.017	5.00	0.085	0.372
Total				1.06	4.65

Component Type	Service	Weight % Benzene	Weight % Toluene	Weight % Xylene	Weight % Hexane	Weight % Hydrogen Sulfide	Benzene Emissions (tons/yr)	Toluene Emissions (tons/yr)	Xylene Emissions (tons/yr)	Hexane Emissions (tons/yr)	Hydrogen Sulfide Emissions (tons/yr)	Total HAPs Emissions (tons/yr)
Flange/screwed Connections	Light Oil	2.00%	5.00%	5.00%	3.00%	4.00%	0.005	0.012	0.012	0.007	0.010	0.047
Valves	Light Oil	2.00%	5.00%	5.00%	3.00%	4.00%	0.054	0.135	0.135	0.081	0.108	0.514
Pump Seals	Light Oil	2.00%	5.00%	5.00%	3.00%	4.00%	0.010	0.025	0.025	0.015	0.020	0.097
Mixers	Light Oil	2.00%	5.00%	5.00%	3.00%	4.00%	0.009	0.022	0.022	0.013	0.018	0.085
Meters	Light Oil	2.00%	5.00%	5.00%	3.00%	4.00%	0.007	0.019	0.019	0.011	0.015	0.071
Strainers	Light Oil	2.00%	5.00%	5.00%	3.00%	4.00%	0.007	0.019	0.019	0.011	0.015	0.071
Total							0.093	0.233	0.233	0.140	0.186	0.884

METHODOLOGY

Emission Factors from AP-42, Chapter 5, Related Emission Factor Documents, Table 2-4
VOC Emissions (lbs/hr) = Emission Factor X Quantity
VOC Emissions (tons/yr) = VOC Emissions (lbs/hr) X (8760 hrs/yr/2000 lbs/ton)
HAPs Emissions (tons/yr) = Weight % HAP X VOC Emissions (tons/yr)
Weight % HAPs are taken from an MSDS provided by the source.

**Appendix A: Emissions Calculations
Tank VOC Emissions - PTE**

Company Name: Marathon Pipeline, LLC
Address City IN Zip: State Road 32 East, Lebanon, IN 46052
MSOP Renewal: 011-23917-00004
Plt ID: 011-00004
Reviewer: Michael A. Morrone
Application Date: November 20, 2006

Tank Number	Product Stored	Losses (Tons per Year)							Total VOC (tons/yr)
		Standing	Breathing	Working	Withdrawal	Rim Seal	Deck Fitting	Deck Seam	
14	Crude Oil (RVP 5)	1.54	0.00	0.00	0.065	0.323	1.21	0.00	1.60
15	Crude Oil (RVP 5)	1.54	0.00	0.00	0.035	0.323	1.21	0.00	1.57
16	Crude Oil (RVP 5)	1.54	0.00	0.00	0.050	0.323	1.21	0.00	1.59
17	Crude Oil (RVP 5)	1.54	0.00	0.00	0.052	0.323	1.21	0.00	1.59
18	Crude Oil (RVP 5)	1.54	0.00	0.00	0.052	0.323	1.21	0.00	1.59
2501	Crude Oil (RVP 5)	-	-	-	-	-	-	-	37.4
	TOTALS	7.68	0.00	0.00	0.253	1.61	6.07	0.00	45.3

METHODOLOGY

All storage tanks emissions are estimated using USEPA's TANKs 4.09d software program and are based on the estimated maximum annual throughput for each tank.

Tank 2501 has been cleaned and emptied and has had zero throughput since the last MSOP issued to the source. However, the source would still like to keep the tank in the permit in anticipation of future use. If Tank 2501 were still in operation, the potential to emit VOC is estimated to be 37.4 tons per year. This number is obtained by subtracting the remaining PTE VOC at the source (remaining tanks + fugitive emissions) and subtracting it from the source's estimated maximum potential to emit VOC of 50.0 tons per year.

**Appendix A: Emissions Calculations
Tank HAP Emissions - PTE**

Company Name: Marathon Pipeline, LLC
Address City IN Zip: State Road 32 East, Lebanon, IN 46052
MSOP Renewal: 011-23917-00004
Pit ID: 011-00004
Reviewer: Michael A. Morrone
Application Date: November 20, 2006

Tank Number	Product Stored	VOC Emissions (tons/yr)	Weight % Benzene	Weight % Toluene	Weight % Xylene	Weight % Hexane	Weight % Hydrogen Sulfide	Benzene Emissions (tons/yr)	Toluene Emissions (tons/yr)	Xylene Emissions (tons/yr)	Hexane Emissions (tons/yr)	Hydrogen Sulfide Emissions (tons/yr)	Total HAPs (tons/yr)
14	Crude Oil (RVP 5)	1.60	2.00%	5.00%	5.00%	3.00%	4.00%	0.032	0.080	0.080	0.048	0.064	0.304
15	Crude Oil (RVP 5)	1.57	2.00%	5.00%	5.00%	3.00%	4.00%	0.031	0.079	0.079	0.047	0.063	0.299
16	Crude Oil (RVP 5)	1.59	2.00%	5.00%	5.00%	3.00%	4.00%	0.032	0.079	0.079	0.048	0.063	0.301
17	Crude Oil (RVP 5)	1.59	2.00%	5.00%	5.00%	3.00%	4.00%	0.032	0.079	0.079	0.048	0.064	0.302
18	Crude Oil (RVP 5)	1.59	2.00%	5.00%	5.00%	3.00%	4.00%	0.032	0.079	0.079	0.048	0.064	0.302
2501	Crude Oil (RVP 5)	37.4	2.00%	5.00%	5.00%	3.00%	4.00%	0.748	1.87	1.87	1.12	1.50	7.11
TOTALS								0.907	2.27	2.27	1.36	1.81	8.61

METHODOLOGY

HAPs Emissions= VOC Emissions (tons/yr) X Weight % HAP

**Appendix A: Emissions Calculations
Summary**

Company Name: Marathon Pipeline, LLC
Address City IN Zip: State Road 32 East, Lebanon, IN 46052
MSOP Renewal: 011-23917-00004
Plt ID: 011-00004
Reviewer: Michael A. Morrone
Application Date: November 20, 2006

Summary of Emissions

Uncontrolled Potential Emissions

<i>Significant Emission Units</i>	PM	PM-10	SO2	NOx	VOC	CO	Benzene	Toluene	Xylene	Hexane	Hydrogen Sulfide	Total HAPs
	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)	(tons/yr)
Tank No.:												
14	0.00	0.00	0.00	0.00	1.60	0.00	0.032	0.080	0.080	0.048	0.064	0.304
15	0.00	0.00	0.00	0.00	1.57	0.00	0.031	0.079	0.079	0.047	0.063	0.299
16	0.00	0.00	0.00	0.00	1.59	0.00	0.032	0.079	0.079	0.048	0.063	0.301
17	0.00	0.00	0.00	0.00	1.59	0.00	0.032	0.079	0.079	0.048	0.064	0.302
18	0.00	0.00	0.00	0.00	1.59	0.00	0.032	0.079	0.079	0.048	0.064	0.302
2501	0.00	0.00	0.00	0.00	37.4	0.00	0.748	1.87	1.87	1.12	1.50	7.11
Fugitive Emissions	0.00	0.00	0.00	0.00	4.65	0.00	0.093	0.233	0.233	0.140	0.186	0.884
Total	0.00	0.00	0.00	0.00	50.0	0.00	1.00	2.50	2.50	1.50	2.00	9.50

*Note the above table is based on the estimated maximum throughputs of all the tanks currently in operation at the source. Tank 2501 is currently cleaned and emptied, but the source would like to keep it in the permit. The maximum PTE VOC from Tank 2501 were estimated by subtracting the PTE of the other tanks and the fugitive VOC emissions from the sourcewide PTE VOC of 50.0 tons per year.