



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: May 2, 2008

RE: Buckeye Pipeline Company, L.P. / 069-25398-00003

FROM: Matthew Stuckey, Branch 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, Suite N 501E, 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.dot12/03/07



Mitchell E. Daniels, Jr.
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Thomas W. Easterly
Commissioner

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Minor Source Operating Permit Renewal OFFICE OF AIR QUALITY

**Buckeye Pipe Line Company, L.P.
4527 N. Meridian Road
Huntington, Indiana 46750**

(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.

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.

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.

Operation Permit No.: M069-25398-00003	
Issued by/Original Signed By:	Issuance Date: May 2, 2008
Alfred C. Dumauval Ph. D., Section Chief Permits Branch Office of Air Quality	Expiration Date: May 2, 2018

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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 and 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 stationary petroleum storage and pipeline source.

Source Address:	4527 N. Meridian Road, Huntington, Indiana 46750
Mailing Address:	4527 N. Meridian Road, Huntington, Indiana 46750
General Source Phone Number:	(260) 356-5802
SIC Code:	4613
County Location:	Huntington
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD Minor Source, Section 112 of the Clean Air Act Not 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 fixed roof liquid storage tank, storing distillate, aviation fuel, and kerosene, identified as Tank 250, installed in 1957, capacity: 1,890,000 gallons, venting through stack 250.
- (b) One (1) vertical fixed roof liquid storage tank, storing distillate, aviation fuel, and kerosene, identified as Tank 251, installed in 1957, capacity: 1,050,000 gallons, venting through stack 251.
- (c) One (1) vertical internal floating roof liquid storage tank, storing gasoline, or distillate, identified as Tank 252, installed in 1971, capacity: 1,470,000 gallons, venting through stack 252.
- (d) One (1) vertical fixed roof liquid storage tank, storing distillate, aviation fuel, and kerosene, identified as Tank 253, installed in 1957, capacity: 1,050,000 gallons, venting through stack 253.
- (e) One (1) vertical internal floating roof liquid storage tank, storing gasoline or distillate, identified as Tank 254, installed in 1974, capacity: 1,470,000 gallons, venting through stack 254.
- (f) One (1) vertical fixed roof liquid storage tank, storing gasoline transmix, identified as Tank 260, installed in 1996, capacity: 21,000 gallons, venting through stack 260.
- (g) One (1) horizontal sump tank, storing gasoline transmix, identified as Sump Tank, installed in 1955, capacity: 1,260 gallons, venting through sump tank stack.

- (h) One (1) office building boiler, firing Liquefied Petroleum Gas (LPG), identified as boiler 1, installed in 1997, rated at: 0.08 MMBtu/hr.
- (i) Two (2) sample building space heaters with no identification, installed in 1980, rated at 0.003 MMBtu/hr, total, venting through LPG Vent.

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, M069-25398-00003, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. 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:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 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 M069-25398-00003 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
MC 61-53 IGCN 1003
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
MC 61-53 IGCN 1003
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
MC 61-53 IGCN 1003
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.
- (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
MC 61-52 IGCN 1003
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
MC 61-53 IGCN 1003
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.

C.12 Instrument Specifications [326 IAC 2-1.1-11]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps

C.13 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner or operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown, or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;

- (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.15 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.16 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.17 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
MC 61-53 IGCN 1003
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 the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) 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 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) vertical fixed roof liquid storage tank, storing distillate, aviation fuel, and kerosene, identified as Tanks 250, installed in 1957, capacity: 1,890,000 gallons, venting through stack 250.
- (b) One (1) vertical fixed roof liquid storage tank, storing distillate, aviation fuel, and kerosene, identified as Tank 251, installed in 1957, capacity: 1,050,000 gallons, venting through stack 251.
- (c) One (1) vertical internal floating roof liquid storage tank, storing gasoline, or distillate, identified as Tank 252, installed in 1971, capacity: 1,470,000 gallons, venting through stack 252.
- (d) One (1) vertical fixed roof liquid storage tank, storing distillate, aviation fuel, and kerosene, identified as Tank 253, installed in 1957, capacity: 1,050,000 gallons, venting through stack 253.
- (e) One (1) vertical internal floating roof liquid storage tank, storing gasoline, or distillate, identified as Tank 254, installed in 1974, capacity: 1,470,000 gallons, venting through stack 254.
- (f) One (1) vertical fixed roof liquid storage tank, storing gasoline transmix, identified as Tank 260, installed in 1996, capacity: 21,000 gallons, venting through stack 260.
- (g) One (1) horizontal sump tank, storing gasoline transmix, identified as Sump Tank, installed in 1955, capacity: 1,260 gallons, venting through sump tank stack.

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

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

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

The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated as 326 IAC 12-1, apply to the facility described in this section except when otherwise specified in 40 CFR Part 60, Subparts K and Kb.

D.1.2 Standard for Volatile Organic Compounds (VOC) [40 CFR 60.112, Subpart K] [326 IAC 12]

- (a) For the one (1) vertical internal floating roof liquid storage tank, storing gasoline, or distillate, identified as Tank 254, which stores petroleum liquid with a true vapor pressure equal to or greater than 78 mm Hg (1.5 psia) but not greater than 570 mm Hg (11.1 psia) the storage vessel shall be equipped with a floating roof, a vapor recovery system or their equivalents.
- (b) Any change or modification which would increase the true vapor pressure of the petroleum liquid as stored to greater than 570 mm Hg (11.1 psia), shall obtain prior approval from IDEM, OAQ.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility.

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

D.1.4 Record Keeping Requirement

- (a) Pursuant to 40 CFR 60.113 Subpart K, for the one (1) vertical internal floating roof liquid storage tank, storing gasoline, or distillate, identified as Tank 254, 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) The one (1) vertical fixed roof liquid storage tank storing gasoline transmix, identified as Tank 260, installed in 1996, with a capacity of 21,000 gallons, shall comply with the New Source Performance Standard (NSPS), 326 IAC 12, (40 CFR Part 60.110b, Subpart Kb). This tank is subject to only 40 CFR Part 60,116b, paragraphs (a) and (b) which requires the Permittee to maintain accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Records shall be kept for the life of the storage tank.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (h) One (1) office building boiler, firing Liquefied Petroleum Gas (LPG), identified as boiler 1, installed in 1997, rated at: 0.08 MMBtu/hr.
- (i) Two (2) sample building space heaters, installed in 1980, rated at 0.003 MMBtu/hr, total.

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

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

D.2.1 Particulate Emission Limitation [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3(e) the two (2) sample building space heaters with no identification, installed in 1980 are limited to emissions of 0.6 pounds per million British thermal units.

D.2.2 Particulate Emission Limitation [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4(a), the particulate emissions from the one (1) office building boiler (boiler 1), rated at 0.08 MMBtu/hr, shall be limited to 0.6 pound per MMBtu heat input.

**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).

Company Name:	Buckeye Pipe Line Company, L.P.
Address:	4527 N. Meridian Road
City:	Huntington, Indiana 46750
Phone #:	(260) 356-5802
MSOP #:	M069-25398-00003

I hereby certify that Buckeye Pipe Line Company, L.P. is : still in operation.
 no longer in operation.
I hereby certify that Buckeye Pipe Line Company, L.P. is : in compliance with the requirements of MSOP M069-25398-00003.
 not in compliance with the requirements of MSOP M069-25398-00003.

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 ?____, 100 TONS/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**

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

Source Background and Description

Source Name:	Buckeye Pipe Line Company, L.P.
Source Location:	4527 N. Meridian Road, Huntington, IN 46750
County:	Huntington
SIC Code:	4613
Operation Permit No.:	M069-14426-00003
Operation Permit Issuance Date:	January 16, 2003
Permit Renewal No.:	M069-25398-00003
Permit Reviewer:	Marcia Earl

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Buckeye Pipe Line Company, L.P. relating to the operation of a stationary petroleum storage and pipeline source.

History

On October 12, 2007 Buckeye Pipe Line Company, L.P. submitted applications to the OAQ requesting to renew its operating permit. Buckeye Pipe Line Company, L.P. was issued a Minor Source Operating Permit (MSOP) M069-14426-00003 on January 16, 2003.

Permitted Emission Units and Pollution Control Equipment

- (a) One (1) vertical fixed roof liquid storage tank, storing distillate, aviation fuel, and kerosene, identified as Tank 250, installed in 1957, capacity: 1,890,000 gallons, venting through stack 250.
- (b) One (1) vertical fixed roof liquid storage tank, storing distillate, aviation fuel, and kerosene, identified as Tank 251, installed in 1957, capacity: 1,050,000 gallons, venting through stack 251.
- (c) One (1) vertical internal floating roof liquid storage tank, storing gasoline, or distillate, identified as Tank 252, installed in 1971, capacity: 1,470,000 gallons, venting through stack 252.
- (d) One (1) vertical fixed roof liquid storage tank, storing distillate, aviation fuel, and kerosene, identified as Tank 253, installed in 1957, capacity: 1,050,000 gallons, venting through stack 253.
- (e) One (1) vertical internal floating roof liquid storage tank, storing gasoline, or distillate, identified as Tank 254, installed in 1974, capacity: 1,470,000 gallons, venting through stack 254.
- (f) One (1) vertical fixed roof liquid storage tank, storing gasoline transmix, identified as Tank 260, installed in 1996, capacity: 21,000 gallons, venting through stack 260.
- (g) One (1) horizontal sump tank, storing gasoline transmix, identified as Sump Tank, installed in 1955, capacity: 1,260 gallons, venting through sump tank stack.

- (h) One (1) office building boiler, firing Liquefied Petroleum Gas (LPG), identified as boiler 1, installed in 1997, rated at: 0.08 MMBtu/hr.
- (i) Two (2) sample building space heaters with no identification, installed in 1980, rated at 0.003 MMBtu/hr, total, venting through LPG Vent.

Existing Approvals

The source has been operating under the previous MSOP 069-14426-00003 issued on January 16, 2003. There have been no additional changes to the permit since last issuance.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

Enforcement Issue

There are no enforcement actions pending.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (°F)
250	Tank 250	40	N/A*	N/A*	Ambient
251	Tank 251	40	N/A*	N/A*	Ambient
252	Tank 252	42.5	N/A*	N/A*	Ambient
253	Tank 253	40	N/A*	N/A*	Ambient
254	Tank 254	40	N/A*	N/A*	Ambient
260	Tank 260	16	N/A*	N/A*	Ambient
Sump Tank	Sump Tank	1	N/A*	N/A*	Ambient
LPG Vent	Vent Stack (LPG Sampling)	9	N/A*	N/A*	Ambient

* Not applicable

Emission Calculations

See Appendix A, pages 1 through 4 of this document for detailed emission calculations.

County Attainment Status

The source is located in Huntington County.

Pollutant	Status
PM _{2.5}	Attainment
PM ₁₀	Attainment
SO ₂	Attainment
NO _x	Attainment
8-hr Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Huntington County has been classified as 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.

- (b) Volatile organic compounds (VOC) and nitrogen oxides (NO_x) are regulated under the Clean Air Act (CAA) for 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. Huntington County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x 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.
- (c) Huntington County has been classified as attainment or unclassifiable for PM₁₀, SO₂, CO and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana
- (e) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compounds (VOC) emissions are not counted toward PSD applicability.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Pollutant	Potential To Emit (tons/year)
PM	0.00
PM ₁₀	0.00
SO ₂	negligible
VOC	40.06
CO	0.01
NO _x	0.05

HAPs	Potential To Emit (tons/year)
2,2,4-TMP	0.34
Benzene	0.28
Biphenyl	negligible
Cresol	negligible
Cumene	0.01
Ethylbenzene	0.05
Hexane	2.15
MTBE	1.25
Naphthalene	negligible
Phenol	negligible
Styrene	0.03
Toluene	0.45
Xylenes	0.16
Total	4.72

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all criteria pollutants is less than 100 tons per year. The source is not subject to the provisions of 326 IAC 2-7. Therefore, the source will be issued an MSOP.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source is not subject to 326 IAC 2-7.
- (c) Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-7, fugitive emissions are not counted toward the determination of Part 70 applicability.

Actual Emissions

The following table shows actual emissions from the source. This information reflects the 1996 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	0
PM10	0
SO2	0
VOC	5
CO	0
NOx	0
HAP	Not reported

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this MSOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/emission unit	Potential to Emit (tons/year)						
	PM	PM ₁₀	SO ₂	VOC	CO	NO _x	HAPs
Storage Tanks, Including Roof Landing Emissions	0.00	0.00	0.00	36.70	0.00	0.00	4.65
Fugitive Emissions (Valves, Pumps, Flanges, Sump Tank)	0.00	0.00	0.00	0.62	0.00	0.00	0.07
LPG Sampling	0.00	0.00	0.00	2.740	0.00	0.00	0.00
Boiler 1	0.00	0.00	0.00	0.00	0.00	0.05	0.00
Two (2) Space Heaters	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	40.06	0.00	0.05	4.72
Part 70 Major Threshold	100	100	100	100	100	100	10 tons single HAP 25 tons total HAPs

Note: The tank emissions and the fugitive emissions were calculated using the TANKS 4.0 program. The roof landing emissions for the two (2) internal floating roof tanks were calculated from the American Petroleum Institute "Determining Product Evaporation Losses from Tank Turnovers" final draft report 1997.

- (a) This existing stationary source is not major for PSD because the emissions of each criteria pollutant are less than one hundred (<100) tons per year, and it is not one of the twenty-eight (28) listed source categories.
- (b) Fugitive Emissions
Since this type of operations is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD applicability.

Federal Rule Applicability

- (a) The four (4) liquid storage tanks, identified as Tanks 250, 251, 252 and 253, with Tank 253 installed in 1955, Tanks 250 and 251 installed in 1957, and Tank 252 installed in 1971, and the one (1) sump tank, installed in 1955, predate the Subpart K, Ka and Kb applicability dates. Therefore, these tanks are not subject to the requirements of 40 CFR 60, Subpart K, Ka and KB.
- (b) The one (1) gasoline or distillate liquid storage tank, identified as Tank 254, installed in 1974, is subject to the requirements of New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.110(c)(2)) because it was constructed between the rule applicability dates of June 11, 1973 and May 19, 1978 and its storage capacity is greater than 65,000 gallons.

Pursuant to 40 CFR 60.112, the owner or operator of any storage vessel shall store petroleum liquids as follows:

If the true vapor pressure of the petroleum liquid, as stored, is equal to or greater than 78 mm Hg (1.5 psia) but not greater than 570 mm Hg (11.1 psia), the storage vessel shall be equipped with a floating roof, a vapor recovery system, or their equivalents.

If the true vapor pressure of the petroleum liquid as stored is greater than 570 mm Hg (11.1 psia), the storage vessel shall be equipped with a vapor recovery system or its equivalent.

Pursuant to 40 CFR 60.113, the owner or operator shall keep records of the petroleum liquid stored, the period of storage and the maximum true vapor pressure of that liquid during the respective storage period.

- (c) The one (1) liquid storage tank, storing gasoline transmix, identified as Tank 260, installed in 1996 is subject to 40 CFR 60, Subpart Kb because the maximum capacity of this tank is greater than forty (40) cubic meters and it was constructed after July 23, 1984. Since the material stored in this tank has a maximum true vapor pressure less than fifteen (15) kiloPascals, this tank is only subject to 40 CFR 60.116b, paragraphs (a) and (b), which require record keeping.
 - (1) Pursuant to 40 CFR 60.116b, the owner or operator of this tank shall keep copies of all records required by this section, except for the records required by paragraph (2), for at least two (2) years. The records required by paragraph (2) of this section shall be kept for the life of the source.

- (2) The owner or operator of this tank as specified in 40 CFR 110b(1) shall keep readily accessible records showing the dimension of the storage vessel and analysis showing the capacity of the storage vessel.
- (d) This source is not subject to the New Source Performance Standards (NSPS) 326 IAC 12 and 40 CFR 60.500 through 60.506, Subpart XX (Standard of Performance for Bulk Gasoline Terminals) because there is no truck loading racks at this source.
- (e) The one (1) office building boiler, identified as boiler 1, is not subject to the requirements of the New Source Performance Standard (NSPS), 326 IAC 12, 40 CFR 60.40, Subpart Dc (Standard of Performance for Industrial Commercial-Institutional Steam Generating Units) because the capacity is less than ten (10) MMBtu per hour.
- (f) This source is not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAPs) 326 IAC 20 and 40 CFR 63, Subpart R (National Emission Standard for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations) because the source is not a major source and is not located within a contiguous area or under common control of a facility that is a major source.
- (g) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20, 40 CFR 61 and 40 CFR 63) included in this permit for this source.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)

This source is not a major source for PSD purposes because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater and it is not one of the 28 listed source categories.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

There are no emission units that were constructed or modified after the rule applicability date of July 27, 1997 located at this source, and the potential to emit each individual hazardous air pollutant (HAP) is less than ten (10) tons per year and the potential to emit total HAPs are less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 2-4.1-1 (New Source Toxics Control) is not included in this permit for this source.

326 IAC 2-6 (Emission Reporting)

This source is located in Huntington County, is not required to operate under 326 IAC 2-7 (Part 70), and it does not emit lead at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 is not applicable to this source.

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 Exemptions), 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.

326 IAC 6-4 (Fugitive Dust Emissions)

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).

State Rule Applicability – Individual Facilities

326 IAC 6-2-3 (Particulate Emissions Limitations for Facilities Constructed prior to September 21, 1983)

The two (2) sample building space heaters, with no identification, installed in 1980, with a total heat input capacity of 0.003 MMBtu/hr, must comply with the PM emission limitation of 326 IAC 6-2-3(a). This limitation is based on the following equation given in 326 IAC 6-2-3(a):

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input.

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

C = Maximum ground level concentration with respect to distance from the point source at the "critical" wind speed for level terrain. This shall equal 50 micrograms per cubic meter for a period not to exceed a sixty (60) minute time period.

N = Number of stacks in fuel burning operation.

a = Plume rise factor which is used to make allowance for less than theoretical plume rise. The value 0.67 shall be used for Q less than or equal to 1,000 MMBtu/hr heat input. The value 0.8 shall be used for Q greater than 1,000 MMBtu/hr heat input.

h = Stack height in feet.

For the two (2) sample building space heaters:

$$Pt = (50 \times 0.67 \times 9.0) / (76.5 \times (0.003)^{0.75} \times (1)^{0.25}) = 0.003 \text{ lb/MMBtu}$$

Pursuant to 326 IAC 6-3-2(e), PM emissions shall in no case exceed 0.6 pounds per MMBtu/hr heat input.

Therefore, the two (2) sample building space heaters with no identification will comply with 326 IAC 6-2-3.

326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)

The office building boiler, (boiler 1), firing Liquefied Petroleum Gas (LPG), constructed in 1997, rated at 0.08 MMBtu/hr, must comply with the PM emission limitation of 326 IAC 6-2-4(a). This limitation is based on the following equation given in 326 IAC 6-2-4(a):

$$Pt = \frac{1.09}{Q^{0.26}}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input.

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

$$Pt = 1.09/(0.08)^{0.26} = 2.10 \text{ lb/MMBtu heat input}$$

Pursuant to 326 IAC 6-2-4(a), PM emission shall in no case exceed 0.6 pound per MMBtu heat input.

Based on page 2 of Appendix A, the potential PM emission rate is:

$$0.002 \text{ ton/yr} \times (2000 \text{ lbs/ton} / 8760 \text{ hrs/yr}) = 0.0005 \text{ lb/hr}$$
$$(0.0005 \text{ lb/r} / 0.08 \text{ MMBtu/hr}) = 0.006 \text{ lb PM per MMBtu}$$

Therefore, the one (1) office building boiler identified as boiler 1 will comply with 326 IAC 6-2-4.

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

- (a) The five (5) liquid storage tanks, identified as Tanks 250, 251, 252, 253 and 254 and the one (1) sump tank are not subject to the requirements of 326 IAC 8-4-3 because each was constructed prior to the rule applicability date of January 1, 1980.
- (b) The one (1) vertical fixed roof liquid storage tank, storing gasoline transmix, identified as Tank 260, installed in 1996 is not subject to the requirements of 326 IAC 8-4-3, because this tank has a storage capacity of less than 39,000 gallons.

326 IAC 8-5 (Organic Solvent Emission Limitations)

This source commenced operation before the rule applicability date of October 7, 1974, and has the potential to emit VOC less than one-hundred (100) tons per year. Therefore, the requirements of 326 IAC 8-6 (Organic Solvent Emission Limitations) are not applicable to this source.

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

This source commenced operation before October 1, 1995, and is not located in Clark, Floyd, Lake, or Porter Counties. Therefore, the requirements of 326 IAC 8-9 (Volatile Organic Liquid Storage Vessels) are not applicable to this source.

Recommendation

The staff recommends to the Commissioner that the MSOP 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 submitted by the applicant.

An application for the purposes of this review was received on October 12, 2007.

Conclusion

The operation of this stationary petroleum storage and pipeline source shall be subject to the conditions of this **MSOP 069-25398-00003**.

Appendix A: Emission Summary

Company Name: Buckeye Pip Line Company, L.P.
Address City IN Zip: 4527 N. Meridian Road, Huntington, Indiana 46750
Permit No: M069-25398-00003
Reviewer: Marcia Earl
Date: December 2007

Uncontrolled Emissions

Emission Units	PM	PM₁₀	SO₂	VOC	CO	NOx	HAPs
Office Building Boiler 1	0.00	0.00	0.00	0.00	0.01	0.05	0.00
Two (2) Space Heaters	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tanks 250, 251, 252, 253, 254 and 260	0.00	0.00	0.00	36.70	0.00	0.00	4.65
Fugitive Emissions (Valves, Pumps, Flanges and Sump tank)	0.00	0.00	0.00	0.62	0.00	0.00	0.07
LPG Sampling Flare Stack	0.00	0.00	0.00	2.74	0.00	0.00	0.00
Total	0.00	0.00	0.00	40.06	0.01	0.05	4.72

Controlled Emissions

Emission Units	PM	PM₁₀	SO₂	VOC	CO	NOx	HAPs
Office Building Boiler 1	0.00	0.00	0.00	0.00	0.01	0.05	0.00
Two (2) Space Heaters	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tanks 250, 251, 252, 253, 254 and 260	0.00	0.00	0.00	36.70	0.00	0.00	4.65
Fugitive Emissions (Valves, Pumps, Flanges and Sump tank)	0.00	0.00	0.00	0.62	0.00	0.00	0.07
LPG Sampling Flare Stack	0.00	0.00	0.00	2.74	0.00	0.00	0.00
Total	0.00	0.00	0.00	40.06	0.01	0.05	4.72

Appendix A: Emission Calculations
LPG-Propane - Commercial Boiler
Office Building Boiler 1

Company Name: Buckeye Pipe Line Company, L.P.
Address City IN Zip: 4527 N. Meridian Road, Huntington, Indiana 46750
Permit Number: M069-25398-00003
Reviewer: Marcia Earl
Date: December 2007

Heat Input Capacity
MMBtu/hr

Potential Throughput
kgals/year

SO2 Emission factor = 0.10 x S
S = Sulfur Content =

0.10

0.08

7.66

	Pollutant					
	PM*	PM ₁₀ *	SO2	NOx	VOC	CO
Emission Factor in lb/kgal	0.4	0.4	0.01 (0.10S)	14.0	0.5 **TOC value	1.9
Potential Emission in tons/yr	0.002	0.002	0.00004	0.05	0.002	0.007

*PM emission factor is filterable PM only. PM₁₀ emission factor is assumed to be the same as PM based on a footnote in Table 1.5-1, therefore PM₁₀ is filterable only as well.

**The VOC value given is TOC. The methane emission factor is 0.2 lb/kgal.

Methodology

1 gallon of LPG has a heating value of 94,000 Btu

1 gallon of propane has a heating value of 91,500 Btu (use this to convert emission factors to an energy basis for propane)

(Source - AP-42 (Supplement B 10/96) page 1.5-1)

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.0915 MMBtu

Emission Factors are from AP42 (Supplement B 10/96), Table 1.5-1 (SCC #1-02-010-02)

Emission (tons/yr) = Throughput (kgals/yr) x Emission Factor (lb/kgal) / 2,000 lb/ton

Appendix A: Emission Calculations
LPG-Propane - Industrial Boilers
Two (2) Space Heaters

Company Name: Buckeye Pipe Line Company, L.P.
Address City IN Zip: 4527 N. Meridian Road, Huntington, IN 46750
Permit Number: M069-25398-00003
Reviewer: Marcia Earl
Date: December 2007

Heat Input Capacity
MMBtu/hr

Potential Throughput
kgals/year

SO2 Emission factor = 0.10 x S
S = Sulfur Content =

0.10

0.003

0.29

	Pollutant					
	PM*	PM ₁₀ *	SO2	NOx	VOC	CO
Emission Factor in lb/kgal	0.4	0.4	0.010 (0.10S)	14.0	0.5 **TOC value	1.9
Potential Emission in tons/yr	0.0001	0.0001	0.000001	0.002	0.0001	0.0003

*PM emission factor is filterable PM only. PM₁₀ emission factor is assumed to be the same as PM based on a footnote in Table 1.5-1, therefore PM₁₀ is filterable only as well.

**The VOC value given is TOC. The methane emission factor is 0.2 lb/kgal.

Methodology

1 gallon of LPG has a heating value of 94,000 Btu

1 gallon of propane has a heating value of 91,500 Btu (use this to convert emission factors to an energy basis for propane)

(Source - AP-42 (Supplement B 10/96) page 1.5-1)

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.0915 MMBtu

Emission Factors are from AP42 (Supplement B 10/96), Table 1.5-1 (SCC #1-02-010-02)

Emission (tons/yr) = Throughput (kgals/yr) x Emission Factor (lb/kgal) / 2,000 lb/ton

Potential VOC and Hazardous Air Pollutant (HAO) Emissions

Company Name: Buckeye Pipe Line Company, L.P.
 Address City IN Zip: 4527 N. Meridian Road, Huntington, Indiana 46750
 Permit No: M069-25398-00003
 Reviewer: Marcia Earl
 Date: December 2007

Distillate Tank Number	TANKS 4.0	TANKS 4.0	Roof Landing	Total	2,2,4-TMP	Benzene	Biphenyl	Cresol	Cumene	Ethylbenzene	Hexane	MTBE	Naphthalene	Phenol	Styrene	Toluene	Xylenes	Total	HAPs
	VOC (lbs/yr)	Emissions VOC ² (tpy)	Emissions VOC ¹ (tpy)	Emissions VOC (tpy)	(wt%) (lb/yr)	(lb/yr)	(lb/yr)												
250	2448.05	1.22		1.2	8.00	52.61	0.02	0.09	4.75	21.83	558.70	0.00	1.95	0.34	0.00	146.96	71.25	866.49	0.43
251	1577.03	0.79		0.80	5.16	33.89	0.01	0.06	3.06	14.06	359.91	0.00	1.25	0.22	0.00	94.67	45.90	558.19	0.28
253	1398.62	0.70		0.70	4.57	30.06	0.01	0.05	2.71	12.47	319.20	0.00	1.11	0.19	0.00	83.96	40.71	495.05	0.25

Gasoline Tank Number	TANKS 4.0	TANKS 4.0	Roof Landing	Total	2,2,4-TMP	Benzene	Biphenyl	Cresol	Cumene	Ethylbenzene	Hexane	MTBE	Naphthalene	Phenol	Styrene	Toluene	Xylenes	Total	HAPs
	VOC (lbs/yr)	Emissions VOC ² (tpy)	Emissions VOC ¹ (tpy)	Emissions VOC (tpy)	(wt%) (lb/yr)	(lb/yr)	(lb/yr)												
260	1343.3	0.67		0.7	12.80	8.40	0.00	0.01	0.21	0.85	59.48	48.62	0.01	0.00	1.18	11.31	3.16	146.03	0.07
252	4378.44	2.19	15.99	18.2	346.53	227.37	0.08	0.24	5.69	22.95	1609.73	1315.95	0.20	0.04	32.06	306.17	85.44	3952.45	1.98
254	4891.24	2.45	12.67	15.10	288.24	189.12	0.07	0.20	4.73	19.09	1338.94	1094.59	0.17	0.03	26.66	254.67	71.07	3287.58	1.64

Fugitive Emissions ⁶	AP-42	AP-42	Roof Landing	Total	2,2,4-TMP	Benzene	Biphenyl	Cresol	Cumene	Ethylbenzene	Hexane	MTBE	Naphthalene	Phenol	Styrene	Toluene	Xylenes	Total	HAPs
	Emissions VOC ² (tpy)	Emissions VOC ² (tpy)	Emissions VOC ¹ (tpy)	Emissions VOC (tpy)	(wt%) (lb/yr)	(lb/yr)	(lb/yr)												
	1244.7	0.62		0.62	11.86	7.78	0.00	0.01	0.19	0.79	55.11	45.05	0.01	0.00	1.1	10.48	2.93	135.31	0.07

LPG Sampling Emissions	VOC ² (lbs/yr)	VOC ² (lbs/yr)	VOC ¹ (lbs/yr)	Emissions (tpy)	(lbs/yr)	Total (lbs/yr)	Total (lbs/yr)												
Flare Stack	5479.5	2.74		2.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

TOTAL (PPY)	TANKS 4.0	Roof Landing	Total	2,2,4-TMP	Benzene	Biphenyl	Cresol	Cumene	Ethylbenzene	Hexane	MTBE	Naphthalene	Phenol	Styrene	Toluene	Xylenes	Total	HAPs
	Emissions	Emission	VOC	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(wt%)	(lb/yr)	(lb/yr)
TOTAL (TPY)	11.4	28.7	40	0.34	0.27	0.00	0.00	0.01	0.05	2.15	1.25	0.00	0.00	0.03	0.45	0.16	4.72	4.72

- VOC Emissions calculated from American Petroleum Institute "Determining Product Evaporation Losses from Tank Turnovers" Final Draft Report (1997)
- VOC Emissions calculated from TANKS 4.0.
- Concentration of HAPs determined from wt% of jet fuel and gasoline. Radian (1995)
- Fixed roof tanks assumed to hold jet fuel for worse case emissions.
- Vent Stack simply emits vaporized LPG (no combustion or flaring acutally occurs). No HAPs occur with these emissions.
- Fugitive emissions occur from pipeline manifold equipment, OWS, and sump tank.