



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: TransMontaigne Terminaling, Inc. / 043-24927-00010

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.
Governor

Thomas W. Easterly
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100 North Senate Avenue
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Indianapolis, Indiana 46204-2251
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www.IN.gov/idem

Federally Enforceable State Operating Permit Renewal OFFICE OF AIR QUALITY

**TransMontaigne Terminaling, Inc.
20 Jackson Street
New Albany, Indiana 47150**

(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.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

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 FESOP under 326 IAC 2-8.

Operation Permit No.: F043-24927-00010	
Issued by:	Issuance Date: May 2, 2008
<i>Original document signed by</i>	
Alfred C. Dumauual, 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 through A.3 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 2-8-3(b)]

The Permittee owns and operates a stationary bulk petroleum product storage and transfer terminal.

Source Address:	20 Jackson Street, New Albany, Indiana 47150
Mailing Address:	1670 Broadway, Suite 3100, Denver, CO, 80202
General Source Phone Number:	(303) 626-8209
SIC Code:	4226
County Location:	Floyd
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

- (a) One (1) domed external floating roof (DEFRR) storage tank, identified as EU 1, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 1.
- (b) One (1) DEFRR storage tank, identified as EU 2, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 2.
- (c) One (1) DEFRR storage tank, identified as EU 3, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 3.
- (d) One (1) external floating roof (EFR) storage tank, identified as EU 4, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 4.
- (e) One (1) EFR storage tank, identified as EU 5, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 5.
- (f) One (1) internal floating roof (IFRR) storage tank, identified as EU 6, with a maximum capacity of 840,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 6.
- (g) One (1) cone roof (CR) storage tank, identified as EU 7, with a maximum capacity of 420,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 7.

- (h) One (1) IFR storage tank, identified as EU 8, with a maximum capacity of 420,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 8.
- (i) One (1) cone roof storage tank, identified as EU 5C, with a maximum capacity of 210,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 5C.
- (j) One (1) cone roof storage tank, identified as EU 6C, with a maximum capacity of 210,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 6C.
- (k) One (1) cone roof storage tank, identified as EU 8C, with a maximum capacity of 420,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 8C.
- (l) One (1) cone roof storage tank, identified as EU A, with a maximum capacity of 30,000 gallons of petroleum liquid, constructed in 1980, and exhausting at one emission point identified as A.
- (m) One (1) cone roof storage tank, identified as EU B, with a maximum capacity of 30,000 gallons of petroleum liquid, constructed in 1980, and exhausting at one emission point identified as B.
- (n) One (1) volatile organic compounds (true vapor pressure (TVP) limited to less than 0.507 psia) storage tank:
 - (1) One (1) cone roof storage tank, identified as EU 11, with a maximum capacity of 546,000 gallons of petroleum liquid, constructed in 1989, and exhausting at one emission point identified as 11.
- (o) Two (2) truck loading racks consisting of:
 - (1) One (1) tank truck loading rack capable of top/bottom loading petroleum liquids identified as EU 22, constructed in 1963, equipped with a flame arrestor and exhausting at one (1) stack identified as S/V ID 22; and
 - (2) One (1) tank truck loading rack capable of top/bottom loading petroleum liquids identified as EU 26, constructed in 1949, exhausting at one emission point identified as S/V ID 26.

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities:

- (a) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons:
 - (1) One (1) distillate fuel (50% No. 2 diesel with 50% kerosene) cone roof storage tank with a maximum capacity of 900 gallons, identified as EU 12, constructed in 1949, and exhausting at one (1) stack identified as 12 with a 20,000 gallon petroleum contact water tank identified as EU HE.
- (b) Paved and unpaved roads and parking lots identified as EU 23 [326 IAC 6-4]

- (c) One (1) distillate oil fired boiler identified as EU 24 rated at 2.188 mmBtu per hour, constructed in 1989 and exhausting at one (1) stack identified as 24 [326 IAC 6-2]
- (d) Fugitive VOC emissions from pumps, valves, flanges, etc. identified as EU 25
- (e) One (1) barge unloading wharf capable of off-loading petroleum liquids at a rate of 126,000 gallons per hour

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

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 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, F043-24927-00010, 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 [326 IAC 2-8-6]

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 [326 IAC 2-8-4(4)]

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 [326 IAC 2-8-4(5)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (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 [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (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 Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 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, Indiana 46204-2251

- (b) The annual compliance certification report 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) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

- (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.12 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

Southwest Regional Office phone: (812) 380-2305; fax: (812) 380-2304.

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
 - (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
 - (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

- (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
- (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F043-24927-00010 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.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

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 nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported 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

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (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 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). 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 nine (9) months 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 2-8 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.18 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 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 may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)

77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][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 FESOP 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.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 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 administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][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) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) 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.24 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]

- (a) The requirements to obtain a permit modification under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.
- (b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction, work is suspended for a continuous period of one (1) year or more.

B.25 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [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 2-8-4(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 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

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.

Testing Requirements [326 IAC 2-8-4(3)]

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 2-8-4][326 IAC 2-8-5(a)(1)]

C.10 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification 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).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision 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] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

- (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 [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.13 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.14 Response to Excursions or Exceedances

- (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 of 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; and/or
 - (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.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (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 2-8-4(3)]

C.16 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (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 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and 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
- (c) 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.

- (d) 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).
- (e) 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.

Stratospheric Ozone Protection

C.18 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) domed external floating roof (DEFR) storage tank, identified as EU 1, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 1.
- (b) One (1) DEFR storage tank, identified as EU 2, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 2.
- (c) One (1) DEFR storage tank, identified as EU 3, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 3.
- (d) One (1) external floating roof (EFR) storage tank, identified as EU 4, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 4.
- (e) One (1) EFR storage tank, identified as EU 5, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 5.
- (f) One (1) internal floating roof (IFR) storage tank, identified as EU 6, with a maximum capacity of 840,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 6.
- (g) One (1) cone roof (CR) storage tank, identified as EU 7, with a maximum capacity of 378,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 7.
- (h) One (1) IFR storage tank, identified as EU 8, with a maximum capacity of 420,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 8.
- (i) One (1) cone roof storage tank, identified as EU 5C, with a maximum capacity of 210,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 5C.
- (j) One (1) cone roof storage tank, identified as EU 6C, with a maximum capacity of 210,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 6C.
- (k) One (1) cone roof storage tank, identified as EU 8C, with a maximum capacity of 420,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 8C.
- (p) One (1) cone roof storage tank, identified as EU A, with a maximum capacity of 30,000 gallons of petroleum liquid, constructed in 1980, and exhausting at one emission point identified as A.
- (l) One (1) cone roof storage tank, identified as EU B, with a maximum capacity of 30,000 gallons of petroleum liquid, constructed in 1980, and exhausting at one emission point identified as B.

- (m) One (1) volatile organic compounds (true vapor pressure (TVP) limited to less than 0.507 psia) storage tank:
 - (1) One (1) cone roof storage tank, identified as EU 11, with a maximum capacity of 546,000 gallons of petroleum liquid, constructed in 1989, and exhausting at one emission point identified as 11.
- (n) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons:
 - (1) One (1) distillate fuel (50% No. 2 diesel with 50% kerosene) cone roof storage tank with a maximum capacity of 900 gallons, identified as EU 19, constructed in 1949, and exhausting at one (1) stack identified as 19.

(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 2-8-4(1)]

D.1.1 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4(1)]

- (a) Pursuant to 326 IAC 2-8, the total VOC emissions from the storage tanks (EU 1, EU 2, EU 3, EU 4, EU 5, EU 6, EU 7, EU 8, EU 11, EU 5C, EU 6C, EU8C, EU A and EU B) shall be limited based on the following equation:

$(\text{Losses from fixed roof tanks} + \text{Losses from floating roof tanks}) < 79.08$ tons per twelve (12) consecutive month period with compliance determined at the end of each month

Where:

Losses from fixed roof tanks = $L_s + L_w$

Losses from floating roof tanks = $L_R = L_{WD} + L_F + L_D$

L_s = Standing storage losses

L_w = Working losses

L_R = Rim seal loss

L_{WD} = Withdrawl losses

L_F = Deck fitting loss

L_D = Deck seam loss

Above losses from the storage tanks shall be calculated using US EPA's latest version of TANKS software (currently TANKS 4.0.9d).

- (b) The above equation shall limit the total potential to emit of volatile organic compounds (VOC) from the storage tanks (EU 1 through EU 11, EU 5C through EU 8C, EU A and EU B) to less than 79.08 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with this limit in conjunction with the requirements of Conditions D.2.1 (loading rack VOC emissions) shall limit source-wide emissions of VOC to less than 100 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

- (c) The potential to emit hazardous air pollutants (HAPs) from the entire source shall be limited to less than 10 and 25 tons per twelve (12) consecutive month period with

compliance determined at the end of each month for worst-case single HAP and total HAPs, respectively.

D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-4-3]

Pursuant to 326 IAC 8-4-3, tanks identified as EU 1 through EU 8 are subject to the following:

- (a) The facility must be retrofitted with an internal floating roof equipped with a closure seal, or seals, to close the space between the roof edge and tank wall unless the source has been retrofitted with equally effective alternative control which has been approved.
- (b) The facility is maintained such that there are no visible holes, tears, or other openings in the seal or any seal fabric or materials.
- (c) All openings, except stub drains, are equipped with covers, lids, or seals such that:
 - (1) the cover, lid, or seal is in the closed position at all times except when in actual use;
 - (2) automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports;
 - (3) rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting

D.1.3 Volatile Organic Compounds (VOC) [326 IAC 8-9-4]

Pursuant to 326 IAC 8-9-4, each of the eight (8) VOC storage tanks identified as EU 1, EU 2, EU 3, EU 4 and EU 5 with external floating roofs, and EU 6, EU 7 and EU 8 with internal floating roofs, shall be equipped with one of the following:

- (a) An internal floating roof meeting the following specifications:
 - (i) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
 - (ii) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
 - (A) A foam or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid mounted seal means a foam- or liquid- filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
 - (B) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor mounted, but both must be continuous.

- (iii) Each opening in a non-contact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
 - (iv) Each opening in the internal floating roof, except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover 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. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
 - (v) Automatic bleeder vents shall be equipped with a gasket and 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 let supports.
 - (vi) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
 - (vii) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
 - (viii) Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
 - (ix) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
- (b) An external floating roof meeting the following specifications:
- (i) Each external floating roof shall be equipped with a closure device between the wall of the vessel and the roof edge. The closure device shall consist of two (2) seals, one (1) above the other. The lower seal shall be referred to as the primary seal; the upper seal shall be referred to as the secondary seal.
 - (ii) Except as provided in 326 IAC 8-9-5(c)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and vessel wall and shall be either a liquid-mounted seal or a shoe seal.
 - (iii) The secondary seal shall completely cover the annular space between the external floating roof and the wall of the vessel in a continuous fashion except as allowed in 326 IAC 8-9-5(c)(4).
 - (iv) Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface.
 - (v) Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, each opening in the roof shall be equipped with a gasketed cover, seal, or lid that shall be maintained in a closed position at all times, without visible gap, except when the device is in actual use.

- (vi) Automatic bleeder vents shall 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.
 - (vii) Rim vents shall be set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Automatic bleeder vents and rim space vents shall be gasketed.
 - (viii) Each emergency roof drain shall be provided with a slotted membrane fabric cover that covers at least ninety percent (90%) of the area of the opening.
 - (ix) The roof shall be floating on the liquid at all times, for example, off the roof leg supports, except when the vessel is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.
- (c) A closed vent system and control device meeting the following specifications:
- (i) The closed vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined in Part 60, Subpart W, 40 CFR 60.485(b).
 - (ii) The control device shall be designed and operated to reduce inlet VOC emissions by 95 percent or greater. If a flare is used as the control device, it shall meet the specifications described in the general control device requirements (40 CFR 60.18) of the General Provisions.
- (d) A system equivalent to those described in paragraphs a, b and c as provided in 326 IAC 8-9-4.
- (e) The testing procedures are required under 326 IAC 8-9-5. The record keeping and reporting are required under 326 IAC 8-9-6.
- (f) The Permittee of each vessel with a capacity greater than or equal to thirty-nine thousand (39,000) gallons, that stores VOL with a maximum true vapor pressure greater than or equal to eleven and one-tenth (11.1) psia shall equip each vessel with a closed vent system meeting the standards of paragraph (c).

D.1.4 Volatile Organic Compounds (VOC) [326 IAC 8-9-1]

Pursuant to 326 IAC 8-9-1, any change or modification, for the storage tanks identified as EU 5C through EU 8C, that would lead to an increase in true vapor pressure of the petroleum liquid, as stored, to equal to or greater than 0.75 psia at the temperature stored, shall obtain approval from the Office of Air Quality (OAQ), as required by 326 IAC 8-9-1, before such change can occur.

D.1.5 Petroleum Liquid Storage Vessel [326 IAC 12] [40 CFR 60.110, Subpart Kb]

Pursuant to 40 CFR 60.110, Subpart Kb (Volatile Organic Liquid Storage Vessels), any change or modification, for the storage tank identified as EU 11, that would lead to an increase in true vapor pressure of the petroleum liquid, as stored, to equal to or greater than 0.507 psia at the temperature stored, shall obtain approval from the Office of Air Quality (OAQ), as required by 326 IAC 12, 40 CFR 60.110, before such change can occur.

D.1.6 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Compliance Determination Requirements

D.1.7 Testing and Procedures [326 IAC 8-9-5]

Pursuant to 326 IAC 8-9-5, the eight (8) VOC storage tanks identified as EU 1 through EU 5, with external floating roofs, and EU 6 through EU 8, with internal floating roofs, shall:

- (a) Except as provided in section 326 IAC 8-9-4(a)(2), the Permittee of each vessel equipped with an internal floating roof shall meet the following requirements.
 - (1) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with VOL. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the Permittee shall repair the items before filling the storage vessel.
 - (2) For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the Permittee shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Administrator (IDEM) in the inspection report required in 326 IAC 8-9-6(c)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.
 - (3) For vessels equipped with both primary and secondary seals:
 - (i) Visually inspect the vessel as specified in paragraph (4) of this section at least every 5 years; or
 - (ii) Visually inspect the vessel as specified in paragraph (2) of this section.
 - (4) Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area,

the Permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in paragraphs (2) and (3)(ii) of this section and at intervals no greater than 5 years in the case of vessels specified in paragraph (3)(i) of this section.

- (5) Notify the Administrator (IDEM) in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraphs (a) and (d) of this section to afford the Administrator (IDEM) the opportunity to have an observer present. If the inspection required by paragraph (d) of this section is not planned and the Permittee could not have known about the inspection 30 days in advance or refilling the tank, the Permittee shall notify the Administrator (IDEM) at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Administrator (IDEM) at least 7 days prior to the refilling.
- (b) Except as provided in 326 IAC 8-9-4(a)(3), the Permittee of each vessel equipped with an external floating roof shall meet the following requirements:
- (1) Determine the gap areas and maximum gap widths between the primary seal and the wall of the vessel and between the secondary seal and the wall of the vessel according to the following frequency:
 - (A) Measurements of gaps between the vessel wall and the primary seal (seal gaps) shall be performed during the hydrostatic testing of the vessel or within sixty (60) days of the initial fill with VOL and at least once every five (5) years thereafter.
 - (B) Measurements of gaps between the vessel wall and the secondary seal shall be performed within sixty (60) days of the initial fill with VOL and at least once per year thereafter.
 - (C) If any source ceases to store VOL for a period of one (1) year or more, subsequent introduction of VOL into the vessel shall be considered an initial fill for purposes of this subdivision.
 - (2) Determine gap widths and areas in the primary and secondary seals individually by the following procedures:
 - (A) Measure seal gaps, if any, at one (1) 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 vessel in each place where a one-eighth (c) inch diameter uniform probe passes freely (without forcing or binding against seal) between the seal and the wall of the vessel and measure the circumferential distance of each such location.
 - (C) The total surface area of each gap described in clause (B) shall be determined by using probes of various widths to measure accurately the actual distance from the vessel wall to the seal and multiplying each

such width by its respective circumferential distance.

- (3) Add the gap surface area of each gap location for the primary seal and the secondary seal individually and divide the sum for each by the nominal diameter of the vessel and compare each ratio to the respective standards in subdivision (4).
- (4) Make necessary repairs or empty the vessel within forty-five (45) days of identification of seals not meeting the requirements listed in clauses (A) and (B) as follows:
 - (A) The accumulated area of gaps between the vessel wall and the mechanical shoe or liquid-mounted primary seal shall not exceed ten (10) square inches per foot of vessel diameter, and the width of any portion of any gap shall not exceed one and five-tenths (1.5) inches. There shall be no holes, tears, or other openings in the shoe, seal fabric, or seal envelope.
 - (B) The secondary seal shall meet the following requirements:
 - (i) The secondary seal shall be installed above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in subdivision (2)(C).
 - (ii) The accumulated area of gaps between the vessel wall and the secondary seal used in combination with a metallic shoe or liquid-mounted primary seal shall not exceed one (1) square inch per foot of vessel diameter, and the width of any portion of any gap shall not exceed five-tenths (0.5) inch. There shall be no gaps between the vessel wall and the secondary seal when used in combination with a vapor-mounted primary seal.
 - (iii) There shall be no holes, tears, or other openings in the seal or seal fabric.
 - (C) If a failure that is detected during inspections required in subdivision (1) cannot be repaired within forty-five (45) days and if the vessel cannot be emptied within forty-five (45) days, a thirty (30) day extension may be requested from the department in the inspection report required in 326 IAC 8-9-6(d)(3). Such extension request must include a demonstration of unavailability of alternate storage capacity and a specification of a schedule that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.
- (5) Notify the department thirty (30) days in advance of any gap measurements required by subdivision (1) to afford the department the opportunity to have an observer present.
- (6) Visually inspect the external floating roof, the primary seal, secondary seal, and fittings each time the vessel is emptied and degassed. For all visual inspections, the following requirements apply:
 - (A) If the external floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal fabric, the Permittee shall repair the items as necessary so

that none of the conditions specified in this clause exist before filling or refilling the vessel with VOL.

- (B) The Permittee shall notify the department in writing at least thirty (30) days prior to the filling or refilling of each vessel to afford the department the opportunity to inspect the vessel prior to the filling. If the inspection required by this subdivision is not planned and the Permittee could not have known about the inspection thirty (30) days in advance of refilling the vessel, the Permittee shall notify the department at least seven (7) days prior to the refilling of the vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the department at least seven (7) days prior to the refilling.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

D.1.8 Record Keeping Requirement

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- (a) To document compliance with Condition D.1.1 the Permittee shall maintain records in accordance with (1) through (10) below. Records maintained for (1) through (10) shall be compiled monthly and shall be complete and sufficient to establish compliance with the usage limits and/or the VOC emission limits established in Condition D.1.1.
- (1) The throughput of VOC products through each tank for each month.
 - (2) The total throughput of VOC products through all tanks per month.
 - (3) The 12 month rolling total throughputs of VOC products through all tanks.
 - (4) The types of volatile organic compounds stored.
 - (5) The actual and maximum true vapor pressure of the liquid as stored.
 - (6) The saturation factor, molecular weight, and temperature of the liquid as stored.
 - (7) The HAP content of each VOC product received or stored.
 - (8) The dates of the VOC products storage.
 - (9) Total VOC emissions calculated based on equation in Condition D.1.1(a).
 - (10) Single HAP and combined HAPs emissions determined based on total VOC emissions.
- (b) Pursuant to 40 CFR Part 60.110b, Subpart Kb (Standards of Performance for Volatile Organic Liquid Storage Vessels), storage tank identified as EU 11 is subject to following record keeping requirements.

The Permittee shall maintain permanent records at the source in accordance with (1) through (3) below:

- (1) the dimension of the storage vessel;

- (2) an analysis showing the capacity of the storage vessel; and
 - (3) vapor pressure of organic liquid stored in tank EU 11.
- (c) Pursuant to 326 IAC 8-9-6 (Volatile Organic Liquid Storage Vessels), storage tanks identified as EU 1, EU 2, EU 3, EU 4, EU 5, EU 6, EU 7, EU 8, EU 5C, EU 6C, EU 8C, EU A EU B and EU 19 are subject to the following record keeping requirements.
- (1) The Permittee shall keep copies of all records required by this section, except for the record required by paragraph (2) below, for at least two (2) years. The record required by paragraph (2) below will be kept for the life of the source.
 - (2) The Permittee shall keep readily accessible records showing the dimension of each storage vessel, identification number and an analysis showing the capacity of each storage vessel.
 - (3) Except as provided in 326 IAC 8-9-6(f) and (g), the Permittee of each storage vessel either with a design capacity greater than or equal to thirty-nine thousand (39,000) gallons storing a liquid with a maximum true vapor pressure greater than or equal to five-tenths (0.5) pound per square inch absolute (psia) but less than seventy-five hundredths (0.75) psia shall maintain a record of the maximum true vapor pressure of the VOL, a record of the VOL stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period.
 - (4) Except as provided in paragraph 326 IAC 8-9-6(g), the Permittee of each storage vessel either with a design capacity greater than or equal to thirty-nine thousand (39,000) gallons storing a liquid with a maximum true vapor pressure that is normally less than 0.75 psia shall maintain a record and notify the Administrator (IDEM) within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.9 Record Keeping Requirements [326 IAC 8-9-6]

The Permittee shall comply with the record keeping requirements in 326 IAC 8-9-6 (for the EU 1, EU 2, EU 3, EU 4 and EU 5 with external floating roofs, and EU 6, EU 7, and EU 8 with internal floating roofs), and shall maintain the following records for a minimum of three (3) years.

- (a) Pursuant to Condition D.1.3 and 326 IAC 8-9-6, the Permittee of the internal floating roof gasoline storage tanks identified as EU 6, EU 7, and EU 8 shall keep copies of all reports and records for at least three (3) years. The Permittee of the internal floating roof tanks shall meet the following requirements:
- (1) Keep a record of each inspection performed as required by 326 IAC 8-9-5(b)(1) through 326 IAC 8-9-5(b)(4). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).
 - (2) If any of the conditions described in 326 IAC 8-9-5(b)(2) are detected during the annual visual inspection, a record shall be maintained and a report shall be

furnished to the department within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.

- (3) After each inspection required by 326 IAC 8-9-5(b)(3) that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in 326 IAC 8-9-5(b)(3)(B), a record shall be maintained and a report shall be furnished to the department within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of 326 IAC 8-9-4(a)(1)(A), 326 IAC 8-9-4(a)(2)(A), or 326 IAC 8-9-5(b), and list each repair made.
- (b) Pursuant to Condition D.1.3 and 326 IAC 8-9-6, the Permittee of the external floating roof gasoline storage tanks identified as EU 1, EU 2, EU 3, EU 4 and EU 5 shall keep copies of all reports and records for at least three (3) years. The Permittee of the external floating roof tanks shall meet the following requirements:
 - (1) Keep a record of each gap measurement performed as required by 326 IAC 8-9-5(c). Each record shall identify the vessel in which the measurement was made and shall contain the date of measurement, the raw data obtained in the measurement and the calculations described in 326 IAC 8-9-5(c)(2) and (c)(3):
 - (2) Within sixty (60) days of performing the seal gap measurements required by 326 IAC 8-9-5(c)(1), furnish the department with a report that contains the date of measurement, the raw data obtained in the measurement, and the calculations described in 326 IAC 8-9-5(c)(2) and (c)(3).
 - (3) After each seal gap measurement that detects gaps exceeding the limitations specified in 326 IAC 8-9-5(c), submit a report to the department within thirty (30) days of the inspection. The report shall identify the vessel and contain the information specified in subdivision (2) and the date the vessel was emptied or the repairs made and date of repair.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description:

- (a) Two (2) truck loading racks consisting of:
 - (1) One (1) tank truck loading rack capable of top/bottom loading petroleum liquids identified as EU 22, constructed in 1963, equipped with a flame arrestor and exhausting at one (1) stack identified as S/V ID 22; and
 - (2) One (1) tank truck loading rack capable of top/bottom loading petroleum liquids identified as EU 26, constructed in 1949, exhausting at one emission point identified as S/V ID 26.

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

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4(1)]

- (a) Pursuant to 326 IAC 2-8, the actual vapor pressure, actual throughputs, actual molecular weight, actual temperature and actual saturation factor of the organic liquids stored and loaded through two (2) tank truck loading racks (EU 22 and EU 26) shall be limited based on the following equation:

$$\sum_{i=1}^n \{ [12.46 \times S_i \times MW_i \times VP_i] \times [T_i / 2000] \} < 19.56 \text{ tons VOC per twelve (12) consecutive month period}$$

Where:

- i = Storage tank
- S_i = The saturation factor of the liquid in each storage tank (i) for each month
- MW_i = The molecular weight of the liquid in each storage tank (i) for each month
- VP_i = The vapor pressure of the liquid
- F_i = The temperature of the liquid in each storage tank (i) for each month
- T_i = The throughput for each storage tank (i) for each month

- (b) Compliance with the VOC emission limit determined by the equation in (a) shall limit the total potential to emit of volatile organic compounds (VOC) from the two (2) loading racks (EU 22 and EU 26) to less than 19.56 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with this limit in conjunction with the requirements of Condition 1.1 (storage tanks VOC emissions) shall limit source-wide emissions of VOC to less than 100 tons per twelve (12) month period with compliance determined at the end of the month.

- (c) Compliance with the VOC emission limit (a) shall also limit the potential to emit hazardous air pollutants (HAPs) from the entire source (including all storage tanks listed in Section D.1 and the two (2) loading racks) to less than 10 and 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month for worst case single HAP and total HAPs, respectively.

D.2.2 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

Record Keeping and Reporting Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.2.3 Record Keeping Requirements

(a) To document compliance with Condition D.2.1, the Permittee shall maintain records in accordance with (1) through (7) below. Records maintained for (1) through (7) shall be compiled monthly and shall be complete and sufficient to establish compliance with the usage limits and/or the VOC emission limits established in Condition D.2.1.

- (1) The amount of each product loaded for each month
- (2) The twelve (12) month rolling total of products loaded
- (3) The type of VOC products loaded
- (4) The maximum true vapor pressure of VOC products as loaded
- (5) The HAP content of each VOC product loaded
- (6) Total VOC emissions calculated based on equation in Condition D.2.1(a)
- (7) Single HAP and combined HAPs emissions determined based on total VOC emissions

(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit

D.2.4 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported.

SECTION D.3

FACILITY OPERATION CONDITIONS

Facility Description:

- (a) One (1) distillate oil fired boiler identified as EU 24 rated at 2.188 mmBtu per hour, constructed in 1989 and exhausting at one (1) stack identified as 24

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]**D.3.1 Particulate [326 IAC 6-2-4]**

Pursuant to 326 IAC 6-2-4(a) (Particulate Emission Limitations for Sources of Indirect Heating), the particulate emissions from the one (1) boiler identified as EU 24, rated at 2.188 mmBtu per hour shall be limited to 0.6 pounds per mmBtu heat input.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: TransMontaigne Terminaling, Inc.
Source Address: 20 Jackson Street, New Albany, Indiana 47150
Mailing Address: 1670 Broadway, Suite 3100, Denver, CO, 80202
FESOP Permit No.: F043-24927-00010

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:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: TransMontaigne Terminaling, Inc.
Source Address: 20 Jackson Street, New Albany, Indiana 47150
Mailing Address: 1670 Broadway, Suite 3100, Denver, CO, 80202
FESOP Permit No.: F043-24927-00010

This form consists of 2 pages

Page 1 of 2

- | |
|---|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16 |
|---|

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: TransMontaigne Terminaling, Inc.
 Source Address: 20 Jackson Street, New Albany, Indiana 47150
 Mailing Address: 1670 Broadway, Suite 3100, Denver, CO, 80202
 FESOP Permit No.: F043-24927-00010
 Facility: VOC Storage Tanks (EU 1 through EU 11, EU 5C through EU 8C, EU A and EU B)
 Parameter: VOC emissions
 Limit: Less than 79.08 tons per twelve (12) consecutive month period with compliance determined at the end of each month as specified in the following equation:

(Losses from fixed roof tanks + Losses from floating roof tanks) < 79.08 tons per twelve (12) consecutive month period with compliance determined at the end of each month

Where:

Losses from fixed roof tanks = $L_s + L_w$

Losses from floating roof tanks = $L_R = L_{WD} + L_F + L_D$

L_s = Standing storage losses

L_w = Working losses

L_R = Rim seal loss

L_{WD} = Withdrawl losses

L_F = Deck fitting loss

L_D = Deck seam loss

Above losses from the storage tanks shall be calculated using US EPA's latest version of TANKS software (currently TANKS 4.0.9d).

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	VOC Emissions This Month	VOC Emissions for Previous 11 Months	VOC Emissions 12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: TransMontaigne Terminals, Inc.
 Source Address: 20 Jackson Street, New Albany, Indiana 47150
 Mailing Address: 1670 Broadway, Suite 3100, Denver, CO, 80202
 FESOP Permit No.: F043-24927-00010
 Facility: Two (2) loading racks (EU 22 and EU 26)
 Parameter: VOC emissions
 Limit: Less than 19.56 tons per twelve (12) consecutive month period with compliance determined at the end of each month as specified in the following equation:

$$\sum_{i=1}^n \{ [12.46 \times S_i \times MW_i \times VP_i] \times [T_i / 2000] \} < 19.56 \text{ tons VOC per twelve (12) consecutive month period}$$

Where:

- i = Storage tank
- S_i = The saturation factor of the liquid in each storage tank (i) for each month
- MW_i = The molecular weight of the liquid in each storage tank (i) for each month
- VP_i = The vapor pressure of the liquid
- F_i = The temperature of the liquid in each storage tank (i) for each month
- T_i = The throughput for each storage tank (i) for each month

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	VOC Emissions This Month	VOC Emissions for Previous 11 Months	VOC Emissions 12 Month Total
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
 Deviation has been reported on: _____

Submitted by: _____
 Title / Position: _____
 Signature: _____
 Date: _____
 Phone: _____

Attach a signed certification to complete this report.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY COMPLIANCE DATA SECTION

FESOP Quarterly Report

Source Name: TransMontaigne Terminaling, Inc.
 Source Address: 20 Jackson Street, New Albany, Indiana 47150
 Mailing Address: 1670 Broadway, Suite 3100, Denver, CO, 80202
 FESOP Permit No.: F043-24927-00010
 Facility: Source-wide HAPs emissions (Storage tanks EU 1 through EU 11, EU 1, EU 5C through EU 8C, EU A and EU B; Loading racks EU 22 and EU 26)
 Parameter: Single and Combined Hazardous Air Pollutants (HAPs)
 Limit: Source-wide emissions of worst-case single HAP and combination of HAPs shall be limited to less than 10 and 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month

YEAR: _____

Month	This Month (tons)		Previous 11 Months (tons)		This Month (tons)+ Previous 11 Months (tons)	
	Single HAP	Combined HAPs	Single HAP	Combined HAPs	Single HAP	Combined HAPs
Month 1						
Month 2						
Month 3						

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
 Deviation has been reported on: _____

Submitted by: _____
 Title / Position: _____
 Signature: _____
 Date: _____
 Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION
 FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: TransMontaigne Terminaling, Inc.
 Source Address: 20 Jackson Street, New Albany, Indiana 47150
 Mailing Address: 1670 Broadway, Suite 3100, Denver, CO, 80202
 FESOP Permit No.: F043-24927-00010

Months: _____ **to** _____ **Year:** _____

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked ΔNo deviations occurred this reporting period@.</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Addendum to the Technical Support Document (ATSD) for a
Federally Enforceable State Operating Permit (FESOP)

Source Background and Description

Source Name:	TransMontaigne Terminaling, Inc.
Source Location:	20 Jackson Street, New Albany, Indiana 47150
County:	Floyd
SIC Code:	4226
Operation Permit No.:	F043-24927-00010
Permit Reviewer:	Anne-Marie C. Hart

On March 21, 2008, the Office of Air Quality (OAQ) had a notice published in Elkhart Truth, Elkhart, Indiana, stating that TransMontaigne Terminaling, Inc. had applied for a FESOP Renewal to operate a bulk petroleum product storage and transfer terminal. The notice also stated that the OAQ proposed to issue a FESOP Renewal for this operation 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 should be issued as proposed.

Comments and Responses

On April 7, 2008, Garrett Clemons from TransMontaigne Terminaling, Inc. submitted comments to IDEM, OAQ on the draft FESOP Renewal.

The Technical Support Document (TSD) is used by IDEM, OAQ for historical purposes. IDEM, OAQ does not make any changes to the original TSD, but the Permit will have the updated changes. The comments and revised permit language are provided below with deleted language as ~~strikeouts~~ and new language **bolded**.

Comment 1:

TransMontaigne requests the following change:

EU 7 operates as a cone roof (CR) storage tank. The draft indicates that the tank is an internal floating roof (IFR) storage tank. Conditions A.2 and D.1.

Response to Comment 1:

IDEM agrees with the recommended changes. The permit has been revised as requested above:

One (1) ~~IFR cone roof~~ **(CR)** storage tank, identified as EU 7, with a maximum capacity of 420,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 7.

IDEM Contact

(a) Questions regarding this proposed FESOP Renewal can be directed to Anne-Marie C. Hart at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North

Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5401 or toll free at 1-800-451-6027 extension 4-5401

- (b) A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Federally Enforceable State Operating Permit
Renewal

Source Background and Description

Source Name:	TransMontaigne Terminaling, Inc.
Source Location:	20 Jackson Street, New Albany, Indiana 47150
County:	Floyd
SIC Code:	4226
Permit Renewal No.:	F043-24927-00010
Permit Reviewer:	Anne-Marie C. Hart

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from TransMontaigne Terminaling, Inc. relating to the operation of a bulk petroleum product storage and transfer terminal.

History

On June 15, 2007, TransMontaigne Product Services, Inc. submitted applications to the OAQ requesting to renew its operating permit. TransMontaigne Product Services, Inc. was issued a FESOP Renewal F043-15196-00010 on December 20, 2002.

Permitted Emission Units and Pollution Control Equipment

- (a) One (1) domed external floating roof (DEFR) storage tank, identified as EU 1, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 1.
- (b) One (1) DEFR storage tank, identified as EU 2, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 2.
- (c) One (1) external floating roof (EFR) storage tank, identified as EU 3, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 3.
- (d) One (1) EFR storage tank, identified as EU 4, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 4.
- (e) One (1) EFR storage tank, identified as EU 5, with a maximum capacity of 1,050,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 5.
- (f) One (1) internal floating roof (IFR) storage tank, identified as EU 6, with a maximum capacity of 840,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 6.
- (g) One (1) IFR storage tank, identified as EU 7, with a maximum capacity of 378,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 7.

- (h) One (1) IFR storage tank, identified as EU 8, with a maximum capacity of 420,000 gallons of petroleum liquid, constructed in 1963, and exhausting at one emission point identified as 8.
- (i) One (1) cone roof storage tank, identified as EU 5C, with a maximum capacity of 210,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 5C.
- (j) One (1) cone roof storage tank, identified as EU 6C, with a maximum capacity of 210,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 6C.
- (k) One (1) cone roof storage tank, identified as EU 8C, with a maximum capacity of 420,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 8C.
- (l) One (1) cone roof storage tank, identified as EU A, with a maximum capacity of 30,000 gallons of petroleum liquid, constructed in 1980, and exhausting at one emission point identified as A.
- (m) One (1) cone roof storage tank, identified as EU B, with a maximum capacity of 30,000 gallons of petroleum liquid, constructed in 1980, and exhausting at one emission point identified as B.
- (n) One (1) volatile organic compounds (true vapor pressure (TVP) limited to less than 0.507 psia) storage tank:
 - (1) One (1) cone roof storage tank, identified as EU 11, with a maximum capacity of 546,000 gallons of petroleum liquid, constructed in 1989, and exhausting at one emission point identified as 11.
- (o) Two (2) truck loading racks consisting of:
 - (1) One (1) tank truck loading rack capable of top/bottom loading petroleum liquids identified as EU 22, constructed in 1963, equipped with a flame arrestor and exhausting at one (1) stack identified as S/V ID 22; and
 - (2) One (1) tank truck loading rack capable of top/bottom loading petroleum liquids identified as EU 26, constructed in 1949, exhausting at one emission point identified as S/V ID 26.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughput less than 12,000 gallons:
 - (1) One (1) distillate fuel (50% No. 2 diesel with 50% kerosene) cone roof storage tank with a maximum capacity of 900 gallons, identified as EU 12, constructed in 1949, and exhausting at one (1) stack identified as 12 with a 20,000 gallon petroleum contact water tank identified as EU HE.

- (b) Paved and unpaved roads and parking lots identified as EU 23 [326 IAC 6-4]
- (c) One (1) distillate oil fired boiler identified as EU 24 rated at 2.188 mmBtu per hour, constructed in 1989 and exhausting at one (1) stack identified as 24 [326 IAC 6-2]
- (d) Fugitive VOC emissions from pumps, valves, flanges, etc. identified as EU 25
- (e) One (1) barge unloading wharf capable of off-loading petroleum liquids at a rate of 126,000 gallons per hour

Emission Units Removed from Source

The following units have been taken out of service with this renewal F043-24927-00010:

- (a) One (1) cone roof storage tank, identified as EU 9, with a maximum capacity of 294,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 9.
- (b) One (1) cone roof storage tank, identified as EU 10, with a maximum capacity of 252,000 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 10.
- (c) One (1) cone roof storage tank, identified as EU 1C, with a maximum capacity of 197,904 gallons petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 1C.
- (d) One (1) cone roof storage tank, identified as EU 7C, with a maximum capacity of 200,634 gallons of petroleum liquid, constructed in 1949, and exhausting at one emission point identified as 7C.

Existing Approvals

Since the issuance of the FESOP F043-15196-00010, issued December 20, 2002, the source has constructed or has been operating under the following approvals as well:

- (a) Administrative Amendment No. 043-18945-00010 issued July 9, 2004.

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.

Emission Calculations

See Appendix A of this document for detailed emission calculations (pp. 1-7).

County Attainment Status

The source is located in Floyd County

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective July 19, 2007, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Attainment effective October 23, 2001, for the 1-hour ozone standard for the Louisville area, including Floyd County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standard (NAAQS) for purposes of 40 CFR Part 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005.	

(a) Ozone Standards

- (1) 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.
- (2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, St. Joseph as attainment for the 8-hour ozone standard.
- (3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Clark, Elkhart, Floyd, LaPorte, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, Shelby, and St. Joseph as attainment for the 8-hour ozone standard.
- (4) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) 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 NOx emissions are considered when evaluating the rule applicability relating to ozone. Floyd County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) Floyd 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.

(c) Other Criteria Pollutants
 Floyd County has been classified as attainment or unclassifiable in Indiana for SO₂, CO, PM₁₀, and NO₂. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) 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, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Pollutant	tons/year
PM	2.22
PM-10	0.71
SO ₂	2.72
VOC	1844.71
CO	0.34
NO _x	1.37

HAPs	tons/year
Benzene	4.83
Toluene	128.14
Xylene	1015.84
Ethyl Benzene	0.46
Cumene	0.11
Hexane	202.42
Total	1345.44

Negligible amounts from No. 2 Fuel Oil combustion included in Total HAP emissions

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of VOC is equal to or greater than 100 tons per year. The source is subject to the provisions of 326 IAC 2-7. However, the source has agreed to limit their VOC emissions to less than Title V levels, therefore the source will be issued a FESOP.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all other criteria pollutants are less than 100 tons per year.
- (c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. However, the source has agreed to limit their single HAP emissions and total HAP emissions below Title V limits. Therefore, the source will be issued a FESOP.

Fugitive Emissions

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 the actual emissions from the source. This information reflects the 2002 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	Not Reported
PM-10	Not Reported
SO ₂	Not Reported

Pollutant	Actual Emissions (tons/year)
VOC	9
CO	Not Reported
NO _x	Not Reported
HAP	Not Reported

Potential to Emit After Issuance

The source has opted to remain a FESOP source. 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 FESOP 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	0.00	0.00	0.00	8.18	0.00	0.00	< 25 total HAP < 10 individual HAP
Truck Loading Operations	0.00	0.00	0.00	19.56	0.00	0.00	< 25 total HAP < 10 individual HAP
Process Insignificant Activities	0.00	0.00	0.00	0.37	0.00	0.00	0.00
Boiler EU-24	0.14	0.14	2.72	Negligible	0.34	1.37	Negligible
Unpaved Roads*	2.08	0.57	0.00	0.00	0.00	0.00	0.00
Total Emissions	0.14	0.14	2.72	28.11	0.34	1.37	< 25 total HAP < 10 individual HAP

* Unpaved roads are fugitive emissions and therefore not counted toward Part 70 applicability, PSD and Emission Offset

- (a) This existing stationary source is not major for PSD because the emissions of each criteria pollutant are less than two hundred fifty (<250) tons per year, and it is not one of the twenty-eight (28) listed source categories.
- (b) 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, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

Federal Rule Applicability

- (a) The requirements of the New Source Performance Standards for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification commenced After June 11, 1973 and prior to May 19, 1978, After May 18, 1978, and Prior to July 23, 1984, and After July 23, 1984 (40 CFR 60.110, 60.110a, or 60.110b, Subparts K, Ka and Kb), are not included in the permit for the Storage Tanks identified as EU 1, EU 2, EU 3, EU 4, EU 5, EU 6, EU 7, EU 8, EU 5C, EU 6C, EU 8C. Construction of these units commenced prior to June 11, 1973.
- (b) The requirements of the New Source Performance Standard for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced

After May 18, 1978, and Prior to July 23, 1984 (40 CFR 60.110a, Subpart Ka), are not included in the permit for the storage tanks identified as EU A and EU B, constructed in 1980. Each tank has a storage capacity less than 40,000 gallons.

- (c) Storage tank identified as EU 11 is subject to the New Source Performance Standard for Storage Vessels for Petroleum Liquids for which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (40 CFR 60.110b, Subpart Kb), which is incorporated by reference as 326 IAC 12. Storage tank identified as EU 11 was constructed in 1989 and has a storage capacity greater than 151 cubic meters (39,889 gallons). EU 11 also stores only volatile organic compounds with a maximum true vapor pressure less than 3.5 kPa.

Nonapplicable portions of the NSPS will not be included in the permit. Storage tank identified as EU 11 is subject to the following portions of Subpart Kb.

- (1) 40 CFR 60.110b
- (2) 40 CFR 60.111b
- (3) 40 CFR 60.116b

- (d) The requirements for the New Source Performance Standard for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60.40c, Subpart Dc), are not included in the permit for the distillate oil fired boiler identified as EU 24. The boiler is rated less than ten (10) million British thermal units per hour (mmBtu/hr).
- (e) The requirements for the New Source Performance Standard for Bulk Gasoline Terminals (40 CFR 60.500c, Subpart XX), are not included in the permit for the two (2) loading racks at this source identified as EU 22 and EU 26. The source does not load gasoline and therefore is not a bulk gasoline terminal.
- (f) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Gasoline Distribution Facilities, Subpart R are not included in the permit for the entire source. The source has chosen to limit the source-wide emissions of any combination of HAPs and any single HAP to less than 25 and 10 tons per twelve (12) consecutive month period, respectively.

State Rule Applicability - Entire Source

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

This source is not subject to the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)). This source was constructed in 1949, prior to the rule applicability date of August 7, 1980, is not one of the 28 listed source categories, has a potential to emit all criteria pollutants less than two hundred fifty (250) tons per year, and no major modifications were done.

326 IAC 2-6 (Emission Reporting)

This source is located in Floyd County and the potential to emit of each criteria pollutant is less than one hundred (100) tons per year. Therefore, 326 IAC 2-6 does 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 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).

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

This source is subject to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations). Pursuant to 326 IAC 6-5, for any new source which has not received all the necessary preconstruction approvals before December 13, 1985, a fugitive dust control plan must be submitted, reviewed and approved. Fugitive emissions from the plant roadways will be watered on an as needed basis.

State Rule Applicability – Individual Facilities

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

The operation of the loading racks identified as EU 22 and EU 26, and the storage tanks will emit less than 10 tons per year of a single HAP and less than 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-8-4 (FESOP)

This source is subject to 326 IAC 2-8-4 (FESOP). Pursuant to 326 IAC 2-8-4, the source-wide potential to emit of VOC shall be limited to less than 100 tons per twelve (12) consecutive month period and the source-wide potential to emit single HAP and total HAP emissions shall be limited to less than 10 and 25 tons per twelve (12) consecutive month period, respectively. Therefore, the requirements of 326 IAC 2-7 do not apply. In order to comply with these limits, the following conditions apply:

- (1) The total VOC emissions from the storage tanks (EU 1, EU 2, EU 3, EU 4, EU 5, EU 6, EU 7, EU 8, EU 11, EU 5C, EU 6C, EU 8C, EU A, EU B and EU 19) shall be limited based on the following equation from TANKS software to limit the potential to emit VOC to less than 79.08 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

$(\text{Losses from fixed roof tanks} + \text{Losses from floating roof tanks}) < 79.08$ tons per twelve (12) consecutive month period with compliance determined at the end of each month

Where:

Losses from fixed roof tanks = $L_s + L_w$

Losses from floating roof tanks = $L_R = L_{WD} + L_F + L_D$

L_s = Standing storage losses

L_w = Working losses

L_R = Rim seal loss

L_{WD} = Withdrawl losses

L_F = Deck fitting loss

L_D = Deck seam loss

Above losses from the storage tanks shall be calculated using US EPA's latest version of TANKS software (currently TANKS 4.0.9d).

- (2) The actual vapor pressure, actual throughputs, actual molecular weight, actual temperature and actual saturation factor of the organic liquids stored and loaded through all tank truck loading racks shall be limited based on the following equation to limit the potential to emit

(PTE) volatile organic compounds (VOC) to less than 19.56 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

$$\sum_{i=1}^n \{[12.46 \times S_i \times MW_i \times VP_i] \times [T_i / 2000]\} < 19.56 \text{ tons VOC per twelve (12) consecutive month period}$$

Where:

i = Storage tank

S_i = The saturation factor of the liquid in each storage tank (i) for each month

MW_i = The molecular weight of the liquid in each storage tank (i) for each month

VP_i = The vapor pressure of the liquid

F_i = The temperature of the liquid in each storage tank (i) for each month

T_i = The throughput for each storage tank (i) for each month

Compliance with the above conditions will limit the source-wide VOC, single HAP and total HAPs emissions to less than 100, 10 and 25 tons per twelve (12) consecutive month period with compliance determined at the end of each month, respectively. Therefore, the requirements of 326 IAC 2-7 do not apply.

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

This bulk petroleum product storage and transfer terminal is not subject to the provisions of 326 IAC 8-1-6. This rule applies to facilities located after January 1, 1980, which are not otherwise regulated by any other provisions of 326 IAC 8, and have potential emissions of 25 tons/year or greater. The two loading racks (EU 22 and EU 26) with potential VOC emissions greater than 25 tons/year at this facility were constructed prior to January 1, 1980.

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

The one (1) distillate oil fired boiler identified as EU 24, with a heat input capacity rating of 2.188 mmBtu/hour, is subject to the particulate matter limitations of 326 IAC 6-2-4. Particulate emissions from indirect heating facilities constructed after September 21, 1983, shall be limited by the following equation:

$$Pt = 1.09/Q^{0.26}$$

Where: Pt = maximum allowable particulate matter (PM) emitted per mmBtu heat input
 Q = total source maximum operation capacity rating

$$\begin{aligned} Pt &= 1.09/2.188^{0.26} \\ &= 0.89 \text{ pounds PM per mmBtu} \end{aligned}$$

Pursuant to 326 IAC 6-2-4(a), PT shall not exceed 0.6 pounds PM per mmBtu for Q less than 10 mmBtu/hr. Therefore, the one (1) boiler identified as EU 24 is limited to 0.6 pounds PM per mmBtu. The boiler, identified as EU 24, has the potential to emit 0.015 pounds PM per mmBtu. Therefore, the boiler, identified as EU 24, will be able to comply with this limit.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

One (1) distillate oil fired boiler identified as EU 24 is not subject to 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations) because it has a potential to emit SO_2 to less than 25 tons per year.

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

Petroleum liquid storage tanks identified as EU 1, EU 2, EU 3, EU 4, EU 5, EU 6, EU 7, and EU 8 each with a capacity greater than 30,000 gallons containing volatile organic liquid whose true vapor pressure is greater than 1.52 pounds per square inch (psi) are subject to the requirements of 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities).

Storage tanks identified as EU 11, EU 5C, EU 6C, and EU 8C, each store petroleum liquid whose true vapor pressure is less than 1.52 psi. Therefore, the provisions of 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities) do not apply.

Storage tanks identified as EU A, EU B and EU 19 have capacities less than 39,000 gallons each. Therefore, the provisions of 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities) do not apply.

Pursuant to 326 IAC 8-4-3, tanks EU 1, EU 2, EU 3, EU 4, EU 5, EU 6, EU 7 and EU 8 are subject to the following:

- (a) The facility must be retrofitted with an internal floating roof equipped with a closure seal, or seals, to close the space between the roof edge and tank wall unless the source has been retrofitted with equally effective alternative control which has been approved.
- (b) The facility is maintained such that there are no visible holes, tears, or other openings in the seal or any seal fabric or materials.
- (c) All openings, except stub drains, are equipped with covers, lids, or seals such that:
 - (1) the cover, lid, or seal is in the closed position at all times except when in actual use;
 - (2) automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports;
 - (3) rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting

Additionally, pursuant to 326 IAC 8-4-3, the Permittee shall maintain records including the following:

- (a) the types of volatile petroleum liquids stored;
- (b) the maximum true vapor pressure; and
- (c) records of the inspections

Tanks EU 1, EU 2, EU 3, EU 4 and EU 5, each with external floating roof and tanks EU 6, EU 7 and EU 8, each with internal floating roof, shall comply with this rule.

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

This source does not load any gasoline. Therefore, the provisions of 326 IAC 8-4-4 (Bulk Gasoline Terminal) do not apply.

326 IAC 8-4-5 (Bulk Gasoline Plants)

This source does not meet the definition of a bulk gasoline plant, requiring a daily gasoline throughput of less than 20,000 gallons per day. Therefore, the provisions of 326 IAC 8-4-5 (Bulk Gasoline Plants) do not apply.

326 IAC 8-4-6 (Gasoline Dispensing Facilities)

Pursuant to 326 IAC 8-4-1, the source is not subject to the requirements of 326 IAC 8-4-6 (Gasoline Dispensing Facilities). The source has not installed any gasoline storage tanks after July 1, 1989. Therefore, the provisions of 326 IAC 8-4-6 do not apply.

326 IAC 8-4-9 (Leaks from Transports and Vapor Collection Systems)

Pursuant to 326 IAC 8-4-9, sources subject to the requirements of 326 IAC 8-4-4 through 326 IAC 8-4-6 are also subject to the requirements of 326 IAC 8-4-9 (Leaks from Transports and Vapor

Collection Systems). Because the source is not subject to 326 IAC 8-4-4 through 326 IAC 8-4-6, the provisions of 326 IAC 8-4-9 do not apply.

326 IAC 8-6 (Organic Solvent Emission Limitations)

This source has limited VOC emissions to less than 100 tons per year. Therefore, the provisions of 326 IAC 8-6 do not apply.

326 IAC 8-7 (Specific VOC Reduction Requirements for Lake, Porter, Clark and Floyd Counties)

This source a stationary source located in Floyd County and has a limited potential to emit VOC to less than 100 tons per year. Therefore, the provisions of 326 IAC 8-7 do not apply.

326 IAC 8-9-1 (Volatile Organic Liquid Storage Vessels)

Pursuant to 326 IAC 8-9-1, on and after October 1, 1995, stationary vessels used to store volatile organic liquids (VOL) must comply with the requirements of 326 IAC 8-9 if located in Clark, Floyd, Lake or Porter Counties. Stationary vessels with capacities less than 39,000 gallons are only subject to the reporting and record keeping requirements of 326 IAC 8-9. Stationary vessels with capacities equal to or greater than 39,000 gallons storing a VOL with a maximum true vapor pressure equal to or greater than 0.5 pounds per square inch absolute (psia), but less than 0.75 psia, are only subject to 326 IAC 8-9-6(a), (b), (g), and (h).

- (a) Storage tanks identified as EU 5C, EU 6C, and EU 8C have capacities equal to or greater than 39,000 gallons storing a VOL with a maximum true vapor pressure equal to or greater than 0.5 pounds per square inch (psia), but less than 0.75 psia. Therefore, pursuant to 326 IAC 8-9-1, these tanks are only subject to 326 IAC 8-9-6(a), (b), (g) and (h).
- (b) Storage tank identified as EU 11 is not subject to the requirements of this rule because it is subject to 40 CFR 60, Subpart Kb.
- (c) Storage tanks identified as EU A, EU B and EU 19 are only subject to the reporting and record keeping requirements of this rule because the storage capacity of each tank is less than 39,000 gallons.
- (d) Storage tanks identified as EU 1, EU 2, EU 3, EU 4 and EU 5, (with external floating roofs) and EU 6, EU 7 and EU 8 (with internal floating roofs), with capacity greater than 39,000 gallons, are subject to the requirements of this rule because the listed tanks contain petroleum liquids with vapor pressure greater than 0.75 psia.

Pursuant to this rule, the Permittee shall equip each tank with one (1) of the following:

- (a) An internal floating roof meeting the following specifications:
 - (i) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
 - (ii) Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:

- (A) A foam or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid mounted seal means a foam- or liquid- filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
 - (B) Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor mounted, but both must be continuous.
- (iii) Each opening in a non-contact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
 - (iv) Each opening in the internal floating roof, except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover 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. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
 - (v) Automatic bleeder vents shall be equipped with a gasket and 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 let supports.
 - (vi) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
 - (vii) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
 - (viii) Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
 - (ix) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
- (b) An external floating roof meeting the following specifications:
 - (i) Each external floating roof shall be equipped with a closure device between the wall of the vessel and the roof edge. The closure device shall consist of two (2) seals, one (1) above the other. The lower seal shall be referred to as the primary seal; the upper seal shall be referred to as the secondary seal.
 - (ii) Except as provided in 326 IAC 8-9-5(c)(4), the primary seal shall completely cover the annular space between the edge of the floating roof and vessel wall and shall be either a liquid-mounted seal or a shoe seal.

- (iii) The secondary seal shall completely cover the annular space between the external floating roof and the wall of the vessel in a continuous fashion except as allowed in 326 IAC 8-9-5(c)(4).
 - (iv) Except for automatic bleeder vents and rim space vents, each opening in a noncontact external floating roof shall provide a projection below the liquid surface.
 - (v) Except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves, each opening in the roof shall be equipped with a gasketed cover, seal, or lid that shall be maintained in a closed position at all times, without visible gap, except when the device is in actual use.
 - (vi) Automatic bleeder vents shall 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.
 - (vii) Rim vents shall be set to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Automatic bleeder vents and rim space vents shall be gasketed.
 - (viii) Each emergency roof drain shall be provided with a slotted membrane fabric cover that covers at least ninety percent (90%) of the area of the opening.
 - (ix) The roof shall be floating on the liquid at all times, for example, off the roof leg supports, except when the vessel is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.
- (c) A closed vent system and control device meeting the following specifications:
- (i) The closed vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading of less than 500 ppm above background and visual inspections, as determined in Part 60, Subpart W, 40 CFR 60.485(b).
 - (ii) The control device shall be designed and operated to reduce inlet VOC emissions by 95 percent or greater. If a flare is used as the control device, it shall meet the specifications described in the general control device requirements (40 CFR 60.18) of the General Provisions.
- (d) A system equivalent to those described in paragraphs (a), (b) and (c) as provided in 326 IAC 8-9-4.
- (e) The testing procedures are required under 326 IAC 8-9-5. The record keeping and reporting are required under 326 IAC 8-9-6.
- (f) The Permittee of each vessel with a capacity greater than or equal to thirty-nine thousand (39,000) gallons, that stores VOL with a maximum true vapor pressure greater than or equal to eleven and one-tenth (11.1) psia shall equip each vessel with a closed vent system meeting the standards of paragraph (c).

All storage tanks at the source, which are subject to the requirements of 326 IAC 8-9-4 (including tanks EU 1, EU 2, EU 3, EU 4, EU 5, EU 6, EU 7 and EU 8), are equipped with internal and external floating roof with primary and secondary seals. The source shall not store a VOL in these tanks with a maximum true vapor pressure greater than or equal to eleven and one-tenth (11.1) psia. Therefore, the source complies with the requirements of 326 IAC 8-9-4.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

There are no compliance determination requirements applicable to this source.

Recommendation

The staff recommends to the Commissioner that the FESOP Renewal F043-24927-00010 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 June 15, 2007.

Conclusion

The operation of this bulk petroleum product storage and transfer terminal shall be subject to the conditions of the attached FESOP Renewal No. F043-24927-00010.

**Appendix A: Emissions Calculations
Total Emission Summary**

Company Name: TransMontaigne Terminaling, Inc.
Address, City IN Zip: 20 Jackson St., New Albany, Indiana
Permit Number: F043-24927-00010
Plt ID: 043-00010
Reviewer: Anne-Marie C. Hart
Date: December 31, 2007

Emission Unit	tons/year						
	PM	PM ₁₀	SO ₂	NOx	VOC	CO	HAPs
Storage Tanks	0.00	0.00	0.00	0.00	5.32	0.00	6.34
Truck Loading Operations							
Uncontrolled	0.00	0.00	0.00	0.00	1836.16	0.00	1345.438
Controlled	0.00	0.00	0.00	0.00	19.56	0.00	<25 total HAP <10 individual HAP
Process Insignificant Activities	0.00	0.00	0.00	0.00	0.367	0.00	0.00
Boiler EU-24	0.14	0.14	2.72	1.37	0.01	0.34	4.70E-04
Unpaved Roads	2.082	0.5699	0.00	0.00	0.00	0.00	0.00
Total Uncontrolled Emissions	2.22	0.71	2.72	1.37	1841.86	0.34	1351.78
Total Controlled Emissions	2.22	0.71	2.72	1.37	25.26	0.34	<25 total HAP <10 individual HAP

**Appendix A: Emissions Calculations
Storage Tank Emissions**

**Company Name: TransMontaigne Terminaling, Inc.
Address, City IN Zip: 20 Jackson St., New Albany, Indiana
Permit Number: F043-24927-00010
Plt ID: 043-00010
Reviewer: Anne-Marie C. Hart
Date: December 31, 2007**

Tank ID	Equipment Specifications			Losses (tons/year)						Total VOC (tons/year)
	Capacity (gal)	Roof Type	Product Stored	Breathing	Working	Withdraw	Rim Seal	Deck Fitting	Deck Seam	
1	1,050,000	DEFR	Xylene	x	x	0.004	0.018	0.132	0.000	0.155
2	1,050,000	DEFR	Xylene	x	x	0.004	0.018	0.132	0.000	0.155
3	1,050,000	DEFR	Xylene	x	x	0.004	0.018	0.132	0.000	0.155
4	1,050,000	EFR	Toluene	x	x	0.007	0.065	0.474	0.000	0.546
5	1,050,000	EFR	Hexane	x	x	0.005	0.376	2.748	0.000	3.128
6	840,000	IFR	Mineral Spirit	x	x	0.006	0.011	0.030	0.009	0.056
7	378,000	CR	Xylene	x	x	0.004	0.018	0.132	0.000	0.155
8	420,000	IFR	Kwik Dri	x	x	0.003	0.148	0.160	0.027	0.337
11	546,000	CR	Diesel	0.040	0.190	x	x	x	x	0.230
5C	210,000	CR	Diesel	0.003	0.008	x	x	x	x	0.012
6C	210,000	CR	Diesel	0.003	0.007	x	x	x	x	0.011
8C	420,000	CR	Diesel	0.021	0.150	x	x	x	x	0.170
A	30,000	HRZNTL	Isopropyl Alcohol	0.073	0.033	x	x	x	x	0.106
B	30,000	HRZNTL	Isopropyl Alcohol	0.073	0.033	x	x	x	x	0.106
Total VOC				0.214	0.421	0.037	0.672	3.941	0.035	5.321

Storage tank emissions estimated using USEPA's TANKS 4.0.9d software program based on estimated maximum annual throughput for each fuel/additive

"x" indicates that tank does not experience type of loss

**Appendix A: Emissions Calculations
Truck Loading Operations**

Company Name: TransMontaigne Terminals, Inc.
Address, City IN Zip: 20 Jackson St., New Albany, Indiana
Permit Number: F043-24927-00010
Plt ID: 043-00010
Reviewer: Anne-Marie C. Hart
Date: December 31, 2007

Uncontrolled VOC Emissions

Material Loaded	Maximum Throughput (kgal/yr)	Saturation Factor	Molecular Weight (lb/lb-mole)	Temperature (F)	True Vapor Pressure (psi)	AP-42 Emission Factor (lb/kgal)	Maximum Uncontrolled Loading Losses (tons/yr)
Diesel	40,320	1.45	130	56.00	0.7832	3.5649	71.87
Xylene	103,824	1.45	106	56.00	5.1400	19.0768	990.31
Toluene	45,360	1.45	92	56.00	0.7832	2.5229	57.22
Hexane	25,200	1.45	86	56.00	5.1400	15.4774	195.02
Mineral Spirits	18,144	1.45	142	56.00	5.1400	25.5557	231.84
VMP Naptha	14,112	1.45	123	56.00	0.7832	3.3730	23.80
Isopropyl Alcohol	2,880	0.60	60	56.00	5.1400	4.4682	6.43
Kwik Dri	20,160	1.45	142	56.00	5.1400	25.5557	257.60
Total	270,000						1834.09

Emission Factor (lb/kgal) based on AP-42 Ch. 5.2, Equation 1, 5th Ed, 1995

Methodology

AP-42 Emission Factor (lb/kgal) = 12.46 x Saturation Factor x True Vapor Pressure (psi) x Molecular Weight (lb/lb-mole) / Temperature (F) + 460
 Maximum Uncontrolled Loading Losses (tons/yr) = AP-42 Emission Factor (lb/kgal) x Maximum Throughput (kgal/yr) / 2000 (lb/ton)

Controlled VOC Emissions

Material Loaded	Limited VOC Emissions (tons/yr)
Diesel	19.56
Xylene	
Toluene	
Hexane	
Mineral Spirits	
VMP Naptha	
Isopropyl Alcohol	
Kwik Dri	
Butane	

VOC emissions from the loading rack are limited pursuant to F043-5645-00010, issued December 13, 1996

Monthly VOC emissions are calculated based on the following equation as listed in F043-5645-00010, issued December 13, 1996 (AP-42 Ch. 5.2):

$$\text{VOC (ton/month)} = \text{SUM } (i = 1; N) \{ [12.46 \times S_i \times MW_i \times P_i] / [T_i + 460] \} \times [T_i / 2000]$$

where: S = Saturation Factor
 MW = Molecular Weight (lb/lb-mole)
 P = True Vapor Pressure (psi)
 F = Temperature (F)
 T = Maximum Throughput (kgal/yr)

Appendix A: Emissions Calculations
HAP Emissions from Storage Tanks and Truck Loading Operations

Company Name: TransMontaigne Terminating, Inc.
Address, City IN Zip: 20 Jackson St., New Albany, Indiana
Permit Number: F043-24927-00010
Pit ID: 043-00010
Reviewer: Anne-Marie C. Hart
Date: December 31, 2007

Product Stored	Vapor Weight Percent						
	Benzene	Toluene	Xylene	Ethyl Benzene	Cumene	Hexane	
Diesel	6.68%	3.88%	2.19%	0.63%	0.15%	5.39%	
Toluene	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	
Xylene	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	
Mineral Spirits	0.00%	13.00%	4.00%	0.00%	0.00%	0.00%	
Hexane	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	
VMP Naptha	0.00%	13.00%	4.00%	0.00%	0.00%	0.00%	
Kwik Dri	0.00%	13.00%	4.00%	0.00%	0.00%	0.00%	

HAP Emissions From Storage and Loading Racks

	VOC Emissions (tons/yr)	Vapor Weight Percent						Per Stored Liquid HAP Emissions (tons/yr)
		Benzene	Toluene	Xylene	Ethyl Benzene	Cumene	Hexane	
Diesel	72.293	4.829	2.805	1.583	0.455	0.108	3.897	13.678
Toluene	58.418	0.000	58.418	0.000	0.000	0.000	0.000	58.418
Xylene	993.661	0.000	0.000	993.661	0.000	0.000	0.000	993.661
Mineral Spirits	231.896	0.000	30.146	9.276	0.000	0.000	0.000	39.422
Hexane	198.520	0.000	0.000	0.000	0.000	0.000	198.520	198.520
VMP Naptha	24.941	0.000	3.242	0.998	0.000	0.000	0.000	4.240
Kwik Dri	257.937	0.000	33.532	10.317	0.000	0.000	0.000	43.849
Total	1837.666	4.829	128.144	1015.835	0.455	0.108	202.417	1351.788

Methodology

VOC Emissions (tons/yr) = VOC Emissions (tons/yr) from storage tanks + VOC Emissions (tons/yr) from Truck Loading Operations

HAP Emissions (tons/yr) = VOC Emissions (tons/yr) x Vapor Weight Percent

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

Company Name: TransMontaigne Terminating, Inc.
Address, City IN Zip: 20 Jackson St., New Albany, Indiana
Permit Number: F043-24927-00010
Plt ID: 043-00010
Reviewer: Anne-Marie C. Hart
Date: December 31, 2007

Component Type	Service	Number of Components	Leak Factor (lb/hr/comp)	VOC Emissions (lb/hr)	VOC Emissions (tons/yr)
Valves	Light Liquid	135	9.48E-05	1.28E-02	5.61E-02
	Gas	26	2.87E-05	7.46E-04	3.27E-03
Loading Arm Valves	Light Liquid	14	9.48E-05	1.33E-03	5.81E-03
	Gas	6	2.87E-05	1.72E-04	7.54E-04
Open-End Lines	Light Liquid	85	2.87E-04	2.44E-02	1.07E-01
	Gas	47	2.65E-04	1.25E-02	5.46E-02
Fittings (Flanges, Connectors)	Light Liquid	380	1.76E-05	6.69E-03	2.93E-02
	Gas	121	9.26E-05	1.12E-02	4.91E-02
Pump Seals	Light Liquid	4	1.19E-03	4.76E-03	2.08E-02
	Gas	0	1.43E-04	0.00E+00	0.00E+00
Other	Light Liquid	0	2.87E-05	0.00E+00	0.00E+00
	Gas	35	2.65E-04	9.28E-03	4.06E-02
Total		853		8.38E-02	3.67E-01

Methodology

Calculations based on *Fugitive Emissions From Equipment Leaks II: Calculation Procedures for Petroleum Industry Facilities* API Publication No. 343, May 1998

VOC Emissions (tons/yr) = Number of Components x Leak Factor (lb/hr/comp) x 8760 hr/yr x 1 ton/2000 lbs

**Appendix A: Emissions Calculations
Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)
#2 Fuel Oil**

Company Name: TransMontaigne Terminaling, Inc.
Address, City IN Zip: 20 Jackson St., New Albany, Indiana
Permit Number: F043-24927-00010
Plt ID: 043-00010
Reviewer: Anne-Marie C. Hart
Date: December 31, 2007

Heat Input Capacity MMBtu/hr	Potential Throughput kgals/year	S = Weight % Sulfur 0.28
2.188	136.906286	

Emission Factor in lb/kgal	Pollutant				
	PM*	SO2	NOx	VOC	CO
	2.0	39.76 (142.0S)	20.0	0.34	5.0
Potential Emission in tons/yr	0.14	2.72	1.37	0.02	0.34

Methodology

1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.140

Emission Factors are from AP 42, Tables 1.3-1, 1.3-2, and 1.3-3 (SCC 1-03-005-01/02/03) Supplement E 9/98 (see erata file)

*PM emission factor is filterable PM only. Condensable PM emission factor is 1.3 lb/kgal.

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

**Commercial/Institutional/Residential Combustors (< 100 mmBtu/hr)
#2 Fuel Oil
HAPs Emissions**

Emission Factor in lb/mmBtu	HAPs - Metals				
	Arsenic	Beryllium	Cadmium	Chromium	Lead
	4.0E-06	3.0E-06	3.0E-06	3.0E-06	9.0E-06
Potential Emission in tons/yr	3.83E-05	2.88E-05	2.88E-05	2.88E-05	8.63E-05

Emission Factor in lb/mmBtu	HAPs - Metals (continued)				
	Mercury	Manganese	Nickel	Selenium	
	3.0E-06	6.0E-06	3.0E-06	1.5E-05	
Potential Emission in tons/yr	2.88E-05	5.75E-05	2.88E-05	1.44E-04	
	Total HAPs:				4.70E-04

Methodology

No data was available in AP-42 for organic HAPs.

Potential Emissions (tons/year) = Throughput (mmBtu/hr)*Emission Factor (lb/mmBtu)*8,760 hrs/yr / 2,000 lb/ton

**Appendix A: Emissions Calculations
Fugitive Emissions
Unpaved Roads**

**Company Name: TransMontaigne Terminating, Inc.
Address, City IN Zip: 20 Jackson St., New Albany, Indiana
Permit Number: F043-24927-00010
Pit ID: 043-00010
Reviewer: Anne-Marie C. Hart
Date: December 31, 2007**

The following calculations determine the amount of emissions created by vehicle traffic on unpaved roads, based on 8760 hours of use and AP-42, Ch. 13.2.2

Semi Dump Trucks

$$8 \text{ trips/hr} \times 0.015 \text{ mile/trip} \times 2 \text{ trips} \times 8760 \text{ hr/yr} = 2102.4 \text{ miles/year}$$

$$E_f = k \cdot [(s/12)^a] \cdot [(W/3)^b] / [(M_{dry}/0.5)^c] \cdot [(365-p)/365] \cdot (S/15)$$

Ef PM 30 = 1.9806 lb/mi
EF PM 10 = 0.5422 lb/mi

where:

k	=	6 particle size multiplier for PM 30
	=	1.8 particle size multiplier for PM 10
s	=	4.8 mean % silt content of unpaved plant roads
a	=	1 Constant for PM 30/PM 10
W	=	31 tons average vehicle weight
b	=	0.45 Constant for PM 30
	=	0.45 Constant for PM 10
M _{dry}	=	0.2 surface material moisture content, %
c	=	0.3 Constant for PM 30
	=	0.2 Constant for PM 10
p	=	125 number of days with at least 0.01 inch of precipitation per year
S	=	5 miles per hour speed limit

PM Emissions: $\frac{1.9806 \text{ lb/mi} \times 2102.4 \text{ mi/yr}}{2000 \text{ lb/ton}} = 2.082 \text{ tons/yr}$

PM 10 Emissions: $\frac{0.5422 \text{ lb/mi} \times 2102.4 \text{ mi/yr}}{2000 \text{ lb/ton}} = 0.5699 \text{ tons/yr}$