INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
*We make Indiana a cleaner, healthier place to live.*

*Mitchell E. Daniels, Jr.*
*Governor*

*Thomas W. Easterly*
*Commissioner*

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

TO: Interested Parties / Applicant

DATE: December 4, 2007

RE: Marathon Pipeline Company, LLC/ 069-23317-00002

FROM: Matthew Stuckey, Deputy 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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.in.gov/idem

# Federally Enforceable State Operating Permit Renewal
# OFFICE OF AIR QUALITY

## Marathon Petroleum Company, LLC - Huntington Terminal
## 4648 North Meridian Road
## Huntington, Indiana 46750

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

**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.**

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.

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.

| Operation Permit No.: F 069-23317-00002 | |
|---|---|
| Issued by:<br><br>Matthew Stuckey, Deputy Branch Chief<br>Permits Branch<br>Office of Air Quality | Issuance Date: December 4, 2007<br><br>Expiration Date: December 4, 2012 |

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## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 through A.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 petroleum products distribution source.

| | |
|---|---|
| Source Address: | 4648 North Meridian Road, Huntington, Indiana 46750 |
| Mailing Address: | 539 South Main Street, Findlay, Ohio 45840 |
| General Source Phone Number: | (317) 260-3285 |
| SIC Code: | 5171 |
| County Location: | Huntington |
| Source Location Status: | Attainment for all criteria pollutants |
| Source Status: | Federally Enforceable State Operating Permit Program<br>Minor Source, under PSD Rules<br>Minor Source, Section 112 of the Clean Air Act<br>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) loading rack, installed in 1992, equipped with one (1) permanent vapor combustion unit, and a backup portable vapor combustor of either a RANE Model RAN PEVB15, or a John Zink Model GV-LH-8400-2, throughput: 365,000,000 gallons of gasoline and/or neat ethanol, 20,000,000 gallons of kerosene, 201,000,000 gallons of No. 2 fuel oil, and 200,000 gallons of gasoline additives per year.

(b) One (1) internal floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 34-425, installed in 1956, capacity: 1,437,030 gallons.

(c) One (1) external floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 22-426, installed in 1956, equipped with a geodome, installed in 1993, capacity: 934,584 gallons.

(d) One (1) external floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 27-427, installed in 1956, equipped with a geodome, installed in 1993, capacity: 1,145,928 gallons.

(e) One (1) internal floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 23-429, installed in 1956, capacity: 962,514 gallons.

### 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 as defined in 326 IAC 2-7-1(21):

(a) The following VOC and HAP storage containers: Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(b) Groundwater oil recovery wells.

(c) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.

(d) Process vessel degassing and cleaning to prepare for internal repairs.

(e) Stockpiled soils from soil remediation activities that are covered and waiting transport for disposal.

(f) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

(g) Abrasive blast and/or painting of tanks, piping and miscellaneous terminal equipment and structures, with emissions equal or less than the insignificant thresholds of five (5) pounds per hour or twenty-five (25.0) pounds per day for PM and $PM_{10}$, and three (3) pounds per hour or fifteen (15.0) pounds per day for VOC. [326 IAC 6-3-2]

(h) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.

(i) Other activities or categories not previously identified with emissions equal to or less than the insignificant thresholds of five (5) pounds per hour or twenty-five (25) pounds per day for PM, $SO_2$, and/or $NO_X$, three (3) pounds per hour or fifteen (15) pounds per day for VOC, twenty-five (25) pounds per day for CO or 0.6 tons per year or 3.29 pounds per day of lead:

(1) One (1) fixed roof liquid storage tank, storing distillate, identified as 24-428, installed in 1956, capacity: 996,870 gallons.

(2) One (1) fixed roof liquid storage tank, storing distillate, identified as 41-430, installed in 1958, capacity: 1,734,936 gallons.

(3) One (1) fixed roof liquid storage tank, storing gasoline or distillate additive, identified as AA-1-431, installed in 1981, capacity: 9,870 gallons.

(4) One (1) fixed roof liquid storage tank, storing distillate or neat ethanol, identified as O-15-432, installed in 1987, capacity: 15,414 gallons.

(5) One (1) fixed roof liquid storage tank, storing gasoline or distillate additive, identified as AA-1-433, installed in 1995, capacity: 2,016 gallons.

(6) One (1) electric heat pump.

(7) One (1) underground oil/water separator, used to process storm water and collect petroleum drippage from the loading rack area, equipped with two (2) screened vents, capacity: 10,000 gallons.

(8) One (1) fixed cone roof liquid storage tank, storing neat ethanol, identified as O-38-436, installed in 2002, capacity: 38,865 gallons.

(9) One (1) fixed cone roof liquid storage tank, storing neat ethanol, identified as O-38-437, installed in 2004, capacity: 38,865 gallons.

(10) One (1) fixed cone roof liquid storage tank, storing denatured ethanol, identified

as O-38-438, approved for installation in 2007, capacity: 38,865 gallons.

(11) One (1) fixed roof liquid storage tank, storing diesel additive/dye, identified as AA-7-434, installed in 2004, capacity: 269 gallons.

## 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 for 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, F 069-23317-00002, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. 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 July 1 of each year to:

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

(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 F 069-23317-00002 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] [IC13-30-3-1]

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 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 one hundred (100) pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed five hundred fifty-one thousandths (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. This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);

(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 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 two hundred sixty (260) linear feet on pipes or one hundred sixty (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 seventy-five hundredths (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 commis-

sioner 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 [326 IAC 2-8-4] [326 IAC 2-8-5]

(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;

(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 FACILITY OPERATION CONDITIONS

**Facility Description [326 IAC 2-7-5(15)]: Loading Rack and storage tanks**

(a) One (1) loading rack, installed in 1992, equipped with one (1) permanent vapor combustion unit, and a backup portable vapor combustor of either a RANE Model RAN PEVB15, or a John Zink Model GV-LH-8400-2, throughput: 365,000,000 gallons of gasoline and/or neat ethanol, 20,000,000 gallons of kerosene, 201,000,000 gallons of No. 2 fuel oil, and 200,000 gallons of gasoline additives per year.

(b) One (1) internal floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 34-425, installed in 1956, capacity: 1,437,030 gallons.

(c) One (1) external floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 22-426, installed in 1956, equipped with a geodome, installed in 1993, capacity: 934,584 gallons.

(d) One (1) external floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 27-427, installed in 1956, equipped with a geodome, installed in 1993, capacity: 1,145,928 gallons.

(e) One (1) internal floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 23-429, installed in 1956, capacity: 962,514 gallons.

(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.1.1 Volatile Organic Compounds (VOC) [326 IAC 2-2] [326 IAC 2-8-4]

(a) The throughput of fuel at the truck tank loading rack when loading gasoline and/or neat ethanol shall be limited to 365,000,000 gallons of gasoline and/or neat ethanol per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to worst case VOC emissions of 54.3 tons per year.

(b) The VOC emissions from the tank truck loading rack when loading gasoline shall not exceed 0.297 pounds of VOC per one thousand (1,000) gallons of gasoline.

(c) The VOC emissions from the tank truck loading rack when loading neat ethanol shall not exceed 0.058 pounds of VOC per one thousand (1,000) gallons of neat ethanol.

Compliance with these limitations, in combination with the unrestricted potential to emit VOC from truck loading kerosene, No. 2 Fuel Oil, and gasoline additives, from the four (4) storage tanks, identified as 34-425, 22-426, 27-427, and 23-429, and from all insignificant activities of 8.49 tons per year shall render this source, which is not one (1) of the twenty-eight (28) listed source categories, a minor source pursuant to 326 IAC 2-2, PSD, and shall make the requirements of 326 IAC 2-7, not applicable.

D.1.2 Hazardous Air Pollutants (HAPs) [326 IAC 2-8-4]

(a) Compliance with the throughput limitation in Condition D.1.1 shall limit the amount of an individual HAP when loading gasoline to 0.891 tons per twelve (12) consecutive month period, with compliance determined at the end of each month and the amount of a combination of all HAPs when loading gasoline to 2.90 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, from the loading rack.

(b) The amount of an individual HAP shall be limited to less than ten (10.0) tons per twelve (12) consecutive month period, with compliance determined at the end of each month and the

amount of a combination of all HAPs shall be limited to less than twenty-five (25.0) tons per twelve (12) consecutive month period, with compliance determined at the end of each month, from the entire source.

Compliance with these limitations, in combination with the unrestricted potential HAP emissions from truck loading kerosene, No. 2 Fuel Oil, and gasoline additives, from the four (4) storage tanks, identified as 34-425, 22-426, 27-427, and 23-429, and from all insignificant activities of 0.120 tons per year for a single HAP and 0.289 tons per year for a combination of all HAPs, shall render the requirements of 326 IAC 2-7, Part 70, not applicable.

D.1.3 Volatile Organic Compounds [326 IAC 8-4-4]

(a) Pursuant to 326 IAC 8-4-4, no owner or operator of a bulk gasoline terminal shall permit the loading of gasoline into any transport, excluding railroad tank cars, or barges, unless:

(1) The bulk gasoline terminal is equipped with a vapor control system, in good working order, in operation and consisting of one of the following:

(A) An adsorber or condensation system which processes and recovers vapors and gases from the equipment being controlled, releasing no more than 80 mg/l of VOC to the atmosphere.

(B) A vapor collection system which directs all vapors to a fuel gas system or incinerator.

(C) An approved control system, demonstrated to have control efficiency equivalent to or greater than clause (A) above.

(2) Displaced vapors and gases are vented only to the vapor control system.

(3) A means is provided to prevent liquid drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.

(4) All loading and vapor lines are equipped with fittings which make vapor-tight connections and which will be closed upon disconnection.

(b) If employees of the owner of the bulk gasoline terminal are not present during loading, it shall be the responsibility of the owner of the transport to make certain the vapor control system is attached to the transport. The owner of the terminal shall take all reasonable steps to insure that owners of transports loading at the terminal during unsupervised times comply with this section.

D.1.4 Volatile Organic Compounds [326 IAC 8-4-9]

Pursuant to 326 IAC 8-4-9 (Leaks from transports and vapor collection systems; records), the owner or operator of a vapor balance system or vapor control system shall:

(a) No person shall allow a gasoline transport that is subject to this rule and that has a capacity of two thousand (2,000) gallons or more to be filled or emptied unless the gasoline transport completes the following:

(1) Annual leak detection testing before the end of the twelfth calendar month following the previous year's test, according to test procedures contained in 40 CFR 63.425 (e), as follows:

(A) Conduct the pressure and vacuum tests for the transport's cargo tank using a time period of five (5) minutes. The initial pressure for the pressure test

shall be four hundred sixty (460) millimeters $H_2O$ (eighteen (18) inches $H_2O$) gauge. The initial vacuum for the vacuum test shall be one hundred fifty (150) millimeters $H_2O$ (six (6) inches $H_2O$) gauge. The maximum allowable pressure or vacuum change is twenty-five (25) millimeters $H_2O$ (one (1) inch $H_2O$) in five (5) minutes.

(B) Conduct the pressure test of the cargo tank's internal vapor valve as follows:

(i) After completing the test under clause (A), use the procedures in 40 CFR 60, Appendix A, Method 27* to repressurize the tank to four hundred sixty (460) millimeters $H_2O$ (eighteen (18) inches $H_2O$) gauge. Close the transport's internal vapor valve or valves, thereby isolating the vapor return line and manifold from the tank.

(ii) Relieve the pressure in the vapor return line to atmospheric pressure, then reseal the line. After five (5) minutes, record the gauge pressure in the vapor return line and manifold. The maximum allowable five (5) minute pressure increase is one hundred thirty (130) millimeters $H_2O$ (five (5) inches $H_2O$).

(2) Repairs by the gasoline transport owner or operator, if the transport does not meet the criteria of subdivision (1), and retesting to prove compliance with the criteria of subdivision (1).

(b) The annual test data remain valid until the end of the twelfth calendar month following the test. The owner of the gasoline transport shall be responsible for compliance with subsection (b) and shall provide the owner of the loading facility with the most recent valid modified 40 CFR 60, Appendix A, Method 27* test results upon request. The owner of the loading facility shall take all reasonable steps, including reviewing the test date and tester's signature, to ensure that gasoline transports loading at its facility comply with subsection (a).

(c) Design and operate the applicable system and the gasoline loading equipment in a manner that prevents:

(1) Gauge pressure from exceeding four thousand five hundred (4,500) pascals (eighteen (18) inches of H2O) and a vacuum from exceeding one thousand five hundred (1,500) pascals (six (6) inches of H2O) in the gasoline transport; and

(2) Avoidable visible liquid leaks during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals.

(d) Within fifteen (15) days, repair and retest a vapor balance, collection, or control system that exceeds the limits in subdivision (a).

(e) Maintain records of all certification testing, identifying the following:

(1) The vapor balance, vapor collection, or vapor control system.

(2) The date of the test and, if applicable, retest.

(3) The results of the test and, if applicable, retest.

The records shall be maintained in a legible, readily available condition for at least two (2) years after the date the testing and, if applicable, retesting were completed.

(f) During compliance tests conducted under 326 IAC 3-6 (stack testing), each vapor balance or

control system shall be tested applying the standards described in 326 IAC 8-4-9 (d)(1)(B). Testers shall use 40 CFR 60, Appendix A, Method 21 to determine if there are any leaks from the hatches and the flanges of the gasoline transports. If any leak is detected, the transport cannot be used for the capacity of the compliance test of the bulk gas terminal. The threshold for leaks shall be as follows:

(1) Five hundred (500) parts per million methane for all bulk gas terminals subject to NESHAP/MACT (40 CFR 63, Subpart R).

(2) Ten thousand (10,000) parts per million methane for all bulk gas terminals subject to New Source Performance Standards (40 CFR 60, Subpart XX) and for all other bulk gas terminals.

D.1.5 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 the loading rack and its permanent vapor combustion unit.

**Compliance Determination Requirements**

D.1.6 Testing Requirements [326 IAC 2-8-5(a)(1), (4) [326 IAC 2-1.1-11]

By April 30, 2008, in order to demonstrate compliance with Condition D.1.4, the Permittee shall perform VOC testing for the loading rack utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.7 Volatile Organic Compounds (VOC) Control

In order to comply with Condition D.1.4, either the permanent vapor combustion unit or the backup portable vapor combustion unit of either a RANE Model RAN PEVB15 or a John Zink Model GV-LH-8400-2 shall be in operation and control emissions from the tank truck loading rack at all times when the loading rack is in operation, loading gasoline.

**Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]**

D.1.8 Monitoring

To document compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform checks of the key operating parameters for the permanent vapor combustion unit or the portable vapor combustion unit, including pilot flame presence, once per scheduled working day.

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

D.1.9 Record Keeping Requirements

(a) To document compliance with Conditions D.1.1 and D.1.2, the Permittee shall maintain records at the source of the volume (in gallons) of each fuel received, including purchase orders and invoices, or a monthly pipeline ticket necessary to verify the type and amount used.

(b) To document compliance with Condition D.1.6, the Permittee shall maintain records all certification testing, identifying the following:

(1) The vapor balance, vapor collection, or vapor control system.

(2) The date of the test and, if applicable, retest.

(3) The results of the test and, if applicable, retest.

The records shall be maintained in a legible, readily available condition for at least two (2) years after the date the testing and, if applicable, retesting were completed.

(c) To document compliance with Condition D.1.2, the Permittee shall maintain records at the source of the fuels used that contain any HAPs. The records shall be complete and sufficient to establish compliance with the HAP emission limits in Condition D.1.2. The records shall contain a minimum of the following:

(1) The HAP/VOC ratio of each fuel received; which can be determined by, and not limited to, the following:

(A) Shipping documents,

(B) Bills of lading,

(C) Purchase orders,

(D) Pipeline schedules,

(E) Throughput summaries,

(F) Material Safety Data Sheets (MSDS), and/or

(G) Other records that document volumes of the specific regulated material transferred.

(2) The weight of VOC, individual HAPs and total HAPs emitted for each compliance period, considering capture and control efficiency, if applicable; and

(3) Identification of the facility or facilities associated with the usage of each HAP.

(d) To document compliance with Condition D.1.8, the Permittee shall maintain records of the pilot flame presence when the permanent vapor combustion unit or the portable vapor combustion unit is in operation.

(e) 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 “authorized individual” as defined by 326 IAC 2-1.1-1(1).

## SECTION D.2 FACILITY OPERATION CONDITIONS

**Facility Description [326 IAC 2-7-5(15)]: Insignificant Activities**

Abrasive blast and/or painting of tanks, piping and miscellaneous terminal equipment and structures. [326 IAC 6-3-2]

(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 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e), the particulate emissions from the abrasive blast and/or painting of tanks, piping and miscellaneous terminal equipment and structure shall be limited by the following:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

## SECTION E.1 NSPS XX FACILITY OPERATION CONDITIONS

**NSPS Subpart XX**

(a) One (1) loading rack, installed in 1992, equipped with one (1) permanent vapor combustion unit, and a backup portable vapor combustor of either a RANE Model RAN PEVB15, or a John Zink Model GV-LH-8400-2, throughput: 365,000,000 gallons of gasoline and/or neat ethanol, 20,000,000 gallons of kerosene, 201,000,000 gallons of No. 2 fuel oil, and 200,000 gallons of gasoline additives per year.

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

**New Source Performance Standards (NSPS) Requirements**

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

(a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1-1 for the loading rack

(b) Pursuant to 40 CFR 60.10, the Permittee shall submit all required notifications and reports to:

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

E.1.2 NSPS, Subpart XX, Requirements [40 CFR Part 60, Subpart XX]

***§ 60.500 Applicability and designation of affected facility.***

(a) The affected facility to which the provisions of this subpart apply is the total of all the loading racks at a bulk gasoline terminal which deliver liquid product into gasoline tank trucks.

(b) Each facility under paragraph (a) of this section, the construction or modification of which is commenced after December 17, 1980, is subject to the provisions of this subpart.

(c) For purposes of this subpart, any replacement of components of an existing facility, described in paragraph (a) of this section, commenced before August 18, 1983 in order to comply with any emission standard adopted by a State or political subdivision thereof will not be considered a reconstruction under the provisions of 40 CFR 60.15.

Note: The intent of these standards is to minimize the emissions of VOC through the application of best demonstrated technologies (BDT). The numerical emission limits in this standard are expressed in terms of total organic compounds. This emission limit reflects the performance of BDT.

***§ 60.501 Definitions.***

The terms used in this subpart are defined in the Clean Air Act, in §60.2 of this part, or in this section as follows:

*Bulk gasoline terminal* means any gasoline facility which receives gasoline by pipeline, ship or barge, and has a gasoline throughput greater than 75,700 liters per day. Gasoline throughput shall be the maximum calculated design throughput as may be limited by compliance with an enforceable condition under Federal, State or local law and discoverable by the Administrator and any other person.

*Continuous vapor processing system* means a vapor processing system that treats total organic compounds vapors collected from gasoline tank trucks on a demand basis without intermediate accumulation in a vapor holder.

*Existing vapor processing system* means a vapor processing system [capable of achieving emissions to the atmosphere no greater than 80 milligrams of total organic compounds per liter of gasoline loaded], the construction or refurbishment of which was commenced before December 17, 1980, and which was not constructed or refurbished after that date.

*Flare* means a thermal oxidation system using an open (without enclosure) flame.

*Gasoline* means any petroleum distillate or petroleum distillate/alcohol blend having a Reid vapor pressure of 27.6 kilopascals or greater which is used as a fuel for internal combustion engines.

*Gasoline tank truck* means a delivery tank truck used at bulk gasoline terminals which is loading gasoline or which has loaded gasoline on the immediately previous load.

*Intermittent vapor processing system* means a vapor processing system that employs an intermediate vapor holder to accumulate total organic compounds vapors collected from gasoline tank trucks, and treats the accumulated vapors only during automatically controlled cycles.

*Loading rack* means the loading arms, pumps, meters, shutoff valves, relief valves, and other piping and valves necessary to fill delivery tank trucks.

*Refurbishment* means, with reference to a vapor processing system, replacement of components of, or addition of components to, the system within any 2-year period such that the fixed capital cost of the new components required for such component replacement or addition exceeds 50 percent of the cost of a comparable entirely new system.

*Thermal oxidation system* means a combustion device used to mix and ignite fuel, air pollutants, and air to provide a flame to heat and oxidize hazardous air pollutants. Auxiliary fuel may be used to heat air pollutants to combustion temperatures.

*Total organic compounds* means those compounds measured according to the procedures in §60.503.

*Vapor collection system* means any equipment used for containing total organic compounds vapors displaced during the loading of gasoline tank trucks.

*Vapor processing system* means all equipment used for recovering or oxidizing total organic compounds vapors displaced from the affected facility.

*Vapor-tight gasoline tank truck* means a gasoline tank truck which has demonstrated within the 12 preceding months that its product delivery tank will sustain a pressure change of not more than 750 pascals (75 mm of water) within 5 minutes after it is pressurized to 4,500 pascals (450 mm of water). This capability is to be demonstrated using the pressure test procedure specified in Method 27.

[48 FR 37590, Aug. 18, 1983, as amended at 65 FR 61763, Oct. 17, 2000; 68 FR 70965, Dec. 19, 2003]

### *§ 60.502 Standard for Volatile Organic Compound (VOC) emissions from bulk gasoline terminals.*

On and after the date on which §60.8(a) requires a performance test to be completed, the owner or operator of each bulk gasoline terminal containing an affected facility shall comply with the requirements of this section.

(a) Each affected facility shall be equipped with a vapor collection system designed to collect the total organic compounds vapors displaced from tank trucks during product loading.

(b) The emissions to the atmosphere from the vapor collection system due to the loading of liquid product into gasoline tank trucks are not to exceed 35 milligrams of total organic compounds per liter of gasoline loaded, except as noted in paragraph (c) of this section.

(c) For each affected facility equipped with an existing vapor processing system, the emissions to the atmosphere from the vapor collection system due to the loading of liquid product into gasoline tank trucks are not to exceed 80 milligrams of total organic compounds per liter of gasoline loaded.

(d) Each vapor collection system shall be designed to prevent any total organic compounds vapors collected at one loading rack from passing to another loading rack.

(e) Loadings of liquid product into gasoline tank trucks shall be limited to vapor-tight gasoline tank trucks using the following procedures:

(1) The owner or operator shall obtain the vapor tightness documentation described in §60.505(b) for each gasoline tank truck which is to be loaded at the affected facility.

(2) The owner or operator shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility.

(3)(i) The owner or operator shall cross-check each tank identification number obtained in paragraph (e)(2) of this section with the file of tank vapor tightness documentation within 2 weeks after the corresponding tank is loaded, unless either of the following conditions is maintained:

(A) If less than an average of one gasoline tank truck per month over the last 26 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed each quarter; or

(B) If less than an average of one gasoline tank truck per month over the last 52 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed semiannually.

(ii) If either the quarterly or semiannual cross-check provided in paragraphs (e)(3)(i) (A) through (B) of this section reveals that these conditions were not maintained, the source must return to biweekly monitoring until such time as these conditions are again met.

(4) The terminal owner or operator shall notify the owner or operator of each non-vapor-tight gasoline tank truck loaded at the affected facility within 1 week of the documentation cross-check in paragraph (e)(3) of this section.

(5) The terminal owner or operator shall take steps assuring that the nonvapor-tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank is obtained.

(6) Alternate procedures to those described in paragraphs (e)(1) through (5) of this section for limiting gasoline tank truck loadings may be used upon application to, and approval by, the Administrator.

(f) The owner or operator shall act to assure that loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.

(g) The owner or operator shall act to assure that the terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.

(h) The vapor collection and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals (450 mm of water) during product loading. This level is not to be exceeded when measured by the procedures specified in §60.503(d).

(i) No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals (450 mm of water).

(j) Each calendar month, the vapor collection system, the vapor processing system, and each loading rack handling gasoline shall be inspected during the loading of gasoline tank trucks for total organic compounds liquid or vapor leaks. For purposes of this paragraph, detection methods incorporating sight, sound, or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected.

[48 FR 37590, Aug. 18, 1983; 48 FR 56580, Dec. 22, 1983, as amended at 54 FR 6678, Feb. 14, 1989; 64 FR 7466, Feb. 12, 1999]

### *§ 60.503 Test methods and procedures.*

(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). The three-run requirement of §60.8(f) does not apply to this subpart.

(b) Immediately before the performance test required to determine compliance with §60.502 (b), (c), and (h), the owner or operator shall use Method 21 to monitor for leakage of vapor all potential sources in the terminal's vapor collection system equipment while a gasoline tank truck is being loaded. The owner or operator shall repair all leaks with readings of 10,000 ppm (as methane) or greater before conducting the performance test.

(c) The owner or operator shall determine compliance with the standards in §60.502 (b) and (c) as follows:

(1) The performance test shall be 6 hours long during which at least 300,000 liters of gasoline is loaded. If this is not possible, the test may be continued the same day until 300,000 liters of gasoline is loaded or the test may be resumed the next day with another complete 6-hour period. In the latter case, the 300,000-liter criterion need not be met. However, as much as possible, testing should be conducted during the 6-hour period in which the highest throughput normally occurs.

(2) If the vapor processing system is intermittent in operation, the performance test shall begin at a reference vapor holder level and shall end at the same reference point. The test shall include at least two startups and shutdowns of the vapor processor. If this does not occur under automatically controlled operations, the system shall be manually controlled.

(3) The emission rate (E) of total organic compounds shall be computed using the following equation:

$$E = K\sum_{i=1}^{n}\left(V_{esi}C_{ei}\right) / \left(L\,10^{6}\right)$$

where:

E=emission rate of total organic compounds, mg/liter of gasoline loaded.

$V_{esi}$=volume of air-vapor mixture exhausted at each interval “i”, scm.

$C_{ei}$=concentration of total organic compounds at each interval “i”, ppm.

L=total volume of gasoline loaded, liters.

n=number of testing intervals.

i=emission testing interval of 5 minutes.

K=density of calibration gas, $1.83\times10^{6}$ for propane and $2.41\times10^{6}$ for butane, mg/scm.

(4) The performance test shall be conducted in intervals of 5 minutes. For each interval “i”, readings from each measurement shall be recorded, and the volume exhausted ($V_{esi}$) and the corresponding average total organic compounds concentration ($C_{ei}$) shall be determined. The sampling system response time shall be considered in determining the average total organic compounds concentration corresponding to the volume exhausted.

(5) The following methods shall be used to determine the volume ($V_{esi}$) air-vapor mixture exhausted at each interval:

(i) Method 2B shall be used for combustion vapor processing systems.

(ii) Method 2A shall be used for all other vapor processing systems.

(6) Method 25A or 25B shall be used for determining the total organic compounds concentration ($C_{ei}$) at each interval. The calibration gas shall be either propane or butane. The owner or operator may exclude the methane and ethane content in the exhaust vent by any method (e.g., Method 18) approved by the Administrator.

(7) To determine the volume (L) of gasoline dispensed during the performance test period at all loading racks whose vapor emissions are controlled by the processing system being tested, terminal records or readings from gasoline dispensing meters at each loading rack shall be used.

(d) The owner or operator shall determine compliance with the standard in §60.502(h) as follows:

(1) A pressure measurement device (liquid manometer, magnehelic gauge, or equivalent instrument), capable of measuring up to 500 mm of water gauge pressure with ±2.5 mm of water precision, shall be calibrated and installed on the terminal's vapor collection system at a pressure tap located as close as possible to the connection with the gasoline tank truck.

(2) During the performance test, the pressure shall be recorded every 5 minutes while a gasoline truck is being loaded; the highest instantaneous pressure that occurs during each loading shall also be recorded. Every loading position must be tested at least once during the performance test.

(e) The performance test requirements of paragraph (c) of this section do not apply to flares defined in §60.501 and meeting the requirements in §60.18(b) through (f). The owner or operator shall demonstrate that the flare and associated vapor collection system is in compliance with the requirements in §§60.18(b) through (f) and 60.503(a), (b), and (d).

(f) The owner or operator shall use alternative test methods and procedures in accordance with the alternative test method provisions in §60.8(b) for flares that do not meet the requirements in §60.18(b).

[54 FR 6678, Feb. 14, 1989; 54 FR 21344, Feb. 14, 1989, as amended at 68 FR 70965, Dec. 19, 2003]

### *§ 60.505 Reporting and recordkeeping.*

(a) The tank truck vapor tightness documentation required under §60.502(e)(1) shall be kept on file at the terminal in a permanent form available for inspection.

(b) The documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by Method 27. This documentation shall include, as a minimum, the following information:

(1) Test title: Gasoline Delivery Tank Pressure Test—EPA Reference Method 27.

(2) Tank owner and address.

(3) Tank identification number.

(4) Testing location.

(5) Date of test.

(6) Tester name and signature.

(7) Witnessing inspector, if any: Name, signature, and affiliation.

(8) Test results: Actual pressure change in 5 minutes, mm of water (average for 2 runs).

(c) A record of each monthly leak inspection required under §60.502(j) shall be kept on file at the terminal for at least 2 years. Inspection records shall include, as a minimum, the following information:

(1) Date of inspection.

(2) Findings (may indicate no leaks discovered; or location, nature, and severity of each leak).

(3) Leak determination method.

(4) Corrective action (date each leak repaired; reasons for any repair interval in excess of 15 days).

(5) Inspector name and signature.

(d) The terminal owner or operator shall keep documentation of all notifications required under §60.502(e)(4) on file at the terminal for at least 2 years.

(e) As an alternative to keeping records at the terminal of each gasoline cargo tank test result as required in paragraphs (a), (c), and (d) of this section, an owner or operator may comply with the requirements in either paragraph (e)(1) or (2) of this section.

(1) An electronic copy of each record is instantly available at the terminal.

(i) The copy of each record in paragraph (e)(1) of this section is an exact duplicate image of the original paper record with certifying signatures.

(ii) The permitting authority is notified in writing that each terminal using this alternative is in compliance with paragraph (e)(1) of this section.

(2) For facilities that utilize a terminal automation system to prevent gasoline cargo tanks that do not have valid cargo tank vapor tightness documentation from loading ( *e.g.,* via a card lock-out system), a copy of the documentation is made available ( *e.g.,* via facsimile) for inspection by permitting authority representatives during the course of a site visit, or within a mutually agreeable time frame.

(i) The copy of each record in paragraph (e)(2) of this section is an exact duplicate image of the original paper record with certifying signatures.

(ii) The permitting authority is notified in writing that each terminal using this alternative is in compliance with paragraph (e)(2) of this section.

(f) The owner or operator of an affected facility shall keep records of all replacements or additions of components performed on an existing vapor processing system for at least 3 years.

[48 FR 37590, Aug. 18, 1983; 48 FR 56580, Dec. 22, 1983, as amended at 68 FR 70965, Dec. 19, 2003]

### *§ 60.506 Reconstruction.*

For purposes of this subpart:

(a) The cost of the following frequently replaced components of the affected facility shall not be considered in calculating either the “fixed capital cost of the new components” or the “fixed capital costs that would be required to construct a comparable entirely new facility” under §60.15: pump seals, loading arm gaskets and swivels, coupler gaskets, overfill sensor couplers and cables, flexible vapor hoses, and grounding cables and connectors.

(b) Under §60.15, the “fixed capital cost of the new components” includes the fixed capital cost of all depreciable components (except components specified in §60.506(a)) which are or will be replaced pursuant to all continuous programs of component replacement which are commenced within any 2-year period following December 17, 1980. For purposes of this paragraph, “commenced” means that an owner or operator has undertaken a continuous program of component replacement or that an owner or operator has entered into a contractual obligation to undertake and complete, within a reasonable time, a continuous program of component replacement.

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR QUALITY

## FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Marathon Petroleum Company, LLC - Huntington Terminal
Source Address: 4648 North Meridian Road, Huntington, Indiana 46750
Mailing Address: 539 South Main Street, Findlay, Ohio 45840
FESOP No.: F 069-23317-00002

**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.<br><br>Signature: |
| Printed Name: |
| Title/Position: |
| Date: |

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR QUALITY

**COMPLIANCE BRANCH**
**100 North Senate Avenue**
**MC61-53 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: Marathon Petroleum Company, LLC - Huntington Terminal
Source Address: 4648 North Meridian Road, Huntington, Indiana 46750
Mailing Address: 539 South Main Street, Findlay, Ohio 45840
FESOP No.: F 069-23317-00002

**This form consists of 2 pages** **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

- 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<br>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: Marathon Petroleum Company, LLC - Huntington Terminal
Source Address: 4648 North Meridian Road, Huntington, Indiana 46750
Mailing Address: 539 South Main Street, Findlay, Ohio 45840
FESOP No.: F 069-23317-00002
Facility: Loading Rack
Parameter: Gasoline and/or neat ethanol throughput
Limit: 365,000,000 gallons of gasoline and/or neat ethanol per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR:_____

| Month | Gasoline and/or neat ethanol throughput (Gallons) | Gasoline and/or neat ethanol throughput (Gallons) | Gasoline and/or neat ethanol throughput (Gallons) |
|---|---|---|---|
| | This Month | Previous 11 Months | 12 Month Total |
| | | | |
| | | | |
| | | | |

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
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: Marathon Petroleum Company, LLC - Huntington Terminal
Source Address: 4648 North Meridian Road, Huntington, Indiana 46750
Mailing Address: 539 South Main Street, Findlay, Ohio 45840
FESOP No.: F 069-23317-00002

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

Page 1 of 2

| |
|---|
| 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 "No deviations occurred this reporting period". |
| ☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD. |
| ☐ 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: _____

A certification is not required for this report.

# 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:** | Marathon Petroleum Company, LLC – Huntington Terminal |
| **Source Location:** | 4648 North Meridian Road, Huntington, Indiana 46750 |
| **County:** | Huntington |
| **SIC Code:** | 5171 |
| **Permit Renewal No.:** | F 069-23317-00002 |
| **Permit Reviewer:** | Michael A. Morrone/MES |

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Marathon Petroleum Company, LLC – Huntington Terminal relating to the operation of a petroleum products distribution source.

### History

On July 3, 2006, Marathon Petroleum Company, LLC – Huntington Terminal submitted an application to the OAQ requesting to renew its operating permit. Marathon Petroleum Company, LLC – Huntington Terminal was issued a FESOP Renewal on June 7, 2002.

### Permitted Emission Units and Pollution Control Equipment

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

(a) One (1) loading rack, installed in 1992, equipped with one (1) permanent vapor combustion unit, and a backup portable vapor combustor of either a RANE Model RAN PEVB15, or a John Zink Model GV-LH-8400-2, throughput: 365,000,000 gallons of gasoline and/or neat ethanol, 20,000,000 gallons of kerosene, 201,000,000 gallons of No. 2 fuel oil, and 200,000 gallons of gasoline additives per year.

(b) One (1) internal floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 34-425, installed in 1956, capacity: 1,437,030 gallons.

(c) One (1) external floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 22-426, installed in 1956, equipped with a geodome, installed in 1993, capacity: 934,584 gallons.

(d) One (1) external floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 27-427, installed in 1956, equipped with a geodome, installed in 1993, capacity: 1,145,928 gallons.

(e) One (1) internal floating roof liquid storage tank, storing gasoline, distillate, or neat ethanol, identified as 23-429, installed in 1956, capacity: 962,514 gallons.

### Emission Units and Pollution Control Equipment Constructed and/or Operated without a Permit

No emission units or pollution control equipment have been constructed and/or operated without a permit.

**Emission Units and Pollution Control Equipment Removed From the Source**

No emission units and pollution control equipment have been removed from the source.

**Insignificant Activities**

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) The following VOC and HAP storage containers: Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(b) Groundwater oil recovery wells.

(c) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.

(d) Process vessel degassing and cleaning to prepare for internal repairs.

(e) Stockpiled soils from soil remediation activities that are covered and waiting transport for disposal.

(f) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

(g) Abrasive blast and/or painting of tanks, piping and miscellaneous terminal equipment and structures, with emissions equal or less than the insignificant thresholds of five (5) pounds per hour or twenty-five (25.0) pounds per day for PM and $PM_{10}$, and three (3) pounds per hour or fifteen (15.0) pounds per day for VOC. [326 IAC 6-3-2]

(h) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.

(i) Other activities or categories not previously identified with emissions equal to or less than the insignificant thresholds of five (5) pounds per hour or twenty-five (25) pounds per day for PM, $SO_2$, and/or $NO_X$, three (3) pounds per hour or fifteen (15) pounds per day for VOC, twenty-five (25) pounds per day for CO or 0.6 tons per year or 3.29 pounds per day of lead:

(1) One (1) fixed roof liquid storage tank, storing distillate, identified as 24-428, installed in 1956, capacity: 996,870 gallons.

(2) One (1) fixed roof liquid storage tank, storing distillate, identified as 41-430, installed in 1958, capacity: 1,734,936 gallons.

(3) One (1) fixed roof liquid storage tank, storing gasoline or distillate additive, identified as AA-1-431, installed in 1981, capacity: 9,870 gallons.

(4) One (1) fixed roof liquid storage tank, storing distillate or neat ethanol, identified as O-15-432, installed in 1987, capacity: 15,414 gallons.

(5) One (1) fixed roof liquid storage tank, storing gasoline or distillate additive, identified as AA-1-433, installed in 1995, capacity: 2,016 gallons.

(6) One (1) electric heat pump.

(7) One (1) underground oil/water separator, used to process storm water and collect petroleum drippage from the loading rack area, equipped with two (2) screened vents, capacity: 10,000 gallons.

(8) One (1) fixed cone roof liquid storage tank, storing neat ethanol, identified as O-38-436, installed in 2002, capacity: 38,865 gallons.

(9) One (1) fixed cone roof liquid storage tank, storing neat ethanol, identified as O-38-437, installed in 2004, capacity: 38,865 gallons.

(10) One (1) fixed cone roof liquid storage tank, storing denatured ethanol, identified as O-38-438, approved for installation in 2007, capacity: 38,865 gallons.

(11) One (1) fixed roof liquid storage tank, storing diesel additive/dye, identified as AA-7-434, installed in 2004, capacity: 269 gallons.

**Existing Approvals**

Since the issuance of the **FESOP 069-14954-00002** on June 7, 2002, the source has constructed or has been operating under the following approvals as well:

(a) Administrative Amendment 069-17318-00002, issued on June 6, 2003,

(b) Minor Permit Revision 069-19709-00002, issued on July 13, 2004,

(c) Administrative Amendment 069-21640-00002, issued on November 17, 2005, and

(d) Administrative Amendment 069-24722-00002, issued on June 20, 2007.

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

**Enforcement Issue**

There are no enforcement actions pending.

**Stack Summary**

This is a petroleum products distribution source and there are no stacks in operation at the source.

**Emission Calculations**

See Appendix A of this document for detailed emission calculations.

**County Attainment Status**

The source is located in Huntington County.

| Pollutant | Status |
|---|---|
| $PM_{10}$ | attainment |
| $PM_{2.5}$ | attainment |
| $SO_2$ | attainment |
| $NO_X$ | attainment |
| 8-hour Ozone | attainment |
| CO | attainment |
| Lead | attainment |

(a) Huntington County has been classified as unclassifiable or attainment for $PM_{2.5}$. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for $PM_{2.5}$ emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for $PM_{2.5}$ emissions, it has directed states to regulate $PM_{10}$ emissions as a surrogate for $PM_{2.5}$ emissions. See the State Rule Applicability – Entire Source section.

(b) Volatile organic compounds (VOC) and nitrogen oxides ($NO_X$) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and $NO_X$ emissions are considered when evaluating the rule applicability relating to ozone. Huntington County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and $NO_X$ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(c) Huntington County has been classified as attainment or unclassifiable in Indiana for $PM_{10}$, $SO_2$, $NO_X$, CO, and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(d) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.

(e) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD or Emission Offset applicability.

**Unrestricted Potential Emissions**

This table reflects the unrestricted potential emissions of the source.

| Pollutant | tons/year |
|---|---|
| PM | 4.56 |
| $PM_{10}$ | 4.56 |
| $SO_2$ | 0.00 |
| VOC | 1,103 |
| CO | 0.00 |
| $NO_X$ | 0.00 |

| HAPs | tons/year |
|---|---|
| Hexane | 17.6 |
| Toluene | 14.4 |
| Benzene | 9.90 |
| 2,2,4 Trimethylpentane | 8.78 |
| Xylene | 5.60 |
| Ethylbenzene | 1.12 |
| Total | 57.4 |

(a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of VOC is equal to or greater than one hundred (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 one hundred (<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 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**

No previous emission data has been received from the source.

**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.

| | Potential to Emit (tons/year) | | | | | | |
|---|---|---|---|---|---|---|---|
| **Process/Emission Unit** | **PM** | **$PM_{10}$** | **$SO_2$** | **VOC** | **CO** | **$NO_X$** | **HAPs** |
| Truck Tank Loading Rack | - | - | - | 55.7 | - | - | 0.891 single (Hexane); 2.90 total |
| 34-425 | - | - | - | 1.78 | - | - | 0.029 single (Hexane); 0.093 total |
| 22-426 | - | - | - | 1.93 | - | - | 0.031 single (Hexane); 0.101 total |
| 27-427 | - | - | - | 2.07 | - | - | 0.034 single (Hexane); 0.109 total |
| 23-429 | - | - | - | 0.811 | - | - | 0.034 single (Hexane); 0.111 total |
| **Insignificant Activities** | | | | | | | |
| 24-428 | - | - | - | 0.282 | - | - | 0.002 single (Xylene); 0.003 total |
| 41-430 | - | - | - | 0.771 | - | - | 0.005 single (Xylene); 0.008 total |
| AA-1-431 | - | - | - | 0.729 | - | - | 0.005 single (Xylene); 0.007 total |
| O-15-432 | - | - | - | 0.177 | - | - | 0.007 single (Xylene); 0.019 total |
| AA-1-433 | - | - | - | 0.112 | - | - | - |
| AA-7-434 | - | - | - | 0.00005 | - | - | - |
| O-1-436 | - | - | - | 0.775 | - | - | 0.031 single (Xylene); 0.084 total |
| O-38-437 | - | - | - | 0.769 | - | - | 0.031 single (Xylene); 0.084 total |
| O-38-438 | - | - | - | 0.752 | - | - | 0.030 single (Xylene); 0.082 total |
| Abrasive Blasting and/or painting of tanks | 4.56 | 4.56 | - | 2.74 | - | - | - |
| **Total** | **4.56** | **4.56** | **0.00** | **69.3** | **0.00** | **0.00** | **Less than 10.0 single; Less than 25.0 total** |
| **Major Source Threshold** | **250** | **250** | **250** | **250** | **250** | **250** | **-** |

(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**

The following federal rules are applicable to the source:

(a) This source is not a petroleum refinery. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart J, Standards of Performance for Petroleum Refineries, are not included in the permit.

(b) The six (6) storage tanks, identified as 34-425, 22-426, 27-427, 23-429, 24-428, and 41-430, were all constructed before June 11, 1973. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart K, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978, are not included in the permit for these facilities.

(c) The seven (7) storage tanks, identified as AA-1-431, O-15-432, AA-1-433, O-38-436, O-38-437, O-38-438, and AA-7-434, were all constructed after May 19, 1978. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart K, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978, are not included in the permit for these facilities.

(d) The six (6) storage tanks, identified as 34-425, 22-426, 27-427, 23-429, 24-428, and 41-430, were all constructed before May 18, 1978. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984, are not included in the permit for these facilities.

(e) The six (6) storage tanks, identified as O-15-432, AA-1-433, O-38-436, O-38-437, O-38-438, and AA-7-434, were all constructed after July 23, 1984. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984, are not included in the permit for these facilities.

(f) The storage tank, identified as AA-1-431, was constructed between May 18, 1978 and July 23, 1984, but has a capacity of 9,870 gallons, which is less than 40,000 gallons. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984, are not included in the permit for this facility.

(g) The five (5) storage tanks, identified as 34-425, 23-429, 24-428, 41-430, and AA-1-431, were all constructed before July 23, 1984. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, are not included in the permit for these facilities.

(h) The two (2) storage tanks, identified as 22-426 and 27-427, were equipped with geo-domes in 1993. However, this was not considered a modification because the potential to emit did not increase and it was not considered a reconstruction because the installation cost was less than fifty percent (50%) of the replacement cost of each tank. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, are not included in the permit for these facilities.

(i) The three (3) storage tanks, identified as O-15-432, AA-1-433, and AA-7-734, were all constructed after July 23, 1984, but have capacities of less than 75 $m^3$ (19,812.9 gallons), each. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, are not included in the permit for these facilities.

(j) The three (3) storage tanks, identified as O-38-436, O-38-437, and O-38-438, were all constructed after July 23, 1984, and each have capacities 38,865 gallons, which is between 75 $m^3$ (19,812.9 gallons) and 151 $m^3$ (39,889.9 gallons). However, each of these tanks stores either ethyl alcohol or denatured ethanol, which have vapor pressures of less than 15.0 kPa, each. Therefore, pursuant to 40 CFR 60.110b(b), the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, are not included in the permit for these facilities.

(k) The tank truck loading rack delivers liquid petroleum into gasoline tank trucks and was constructed after December 17, 1980. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart XX, Standards of Performance for Bulk Gasoline Terminals, are applicable to this facility.

The tank truck loading rack is subject to the following portions of Subpart XX. Non-applicable portions of the NSPS will not be included in the permit.

(1) 40 CFR 60.500

(2) 40 CFR 60.501

(3) 40 CFR 60.502

(4) 40 CFR 60.503

(5) 40 CFR 60.505

(6) 40 CFR 60.506

(l) This source is not a petroleum refinery. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart GGG, Standards of Performance for Equipment Leaks of VOC in Petroleum Refineries, are not included in the permit.

(m) This source is not a petroleum refinery. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart QQQ, Standards of Performance for VOC Emissions From Petroleum Refinery Wastewater Systems, are not included in the permit.

(n) There are no other New Source Performance Standards (40 CFR 60 and 326 IAC 12-1) included in the permit for this source.

(o) This source is an area source for HAPs. Therefore, the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63, Subpart R, National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations), are not included in the permit.

(p) This source is not a petroleum refinery. Therefore, the requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63, Subpart CC, National Emission Standards for Hazardous Air Pollutants From Petroleum Refineries, are not included in the permit.

(q) There are no other National Emission Standards for Hazardous Air Pollutants (40 CFR 63) included in the permit for this source.

**State Rule Applicability – Entire Source**

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

The unrestricted potential to emit VOC is greater than two hundred fifty (250) tons per year. However, the source will limit VOC emissions to less than two hundred fifty (250) tons per year as follows:

(a) The throughput of fuel at the truck tank loading rack when loading gasoline and/or neat ethanol shall be limited to 365,000,000 gallons of gasoline and/or neat ethanol per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to worst case VOC emissions of 54.3 tons per year.

(b) The VOC emissions from the tank truck loading rack when loading gasoline shall not exceed 0.297 pounds of VOC per one thousand (1,000) gallons of gasoline.

(c) The VOC emissions from the tank truck loading rack when loading neat ethanol shall not exceed 0.058 pounds of VOC per one thousand (1,000) gallons of neat ethanol.

Compliance with these limitations, in combination with the unrestricted potential to emit VOC from truck loading kerosene, No. 2 Fuel Oil, and gasoline additives, from the four (4) storage tanks, identified as 34-425, 22-426, 27-427, and 23-429, and from all insignificant activities of 8.49 tons per year shall limit VOC emissions from the entire source to less than one hundred (100) tons per year and render this source, which is not one (1) of the twenty-eight (28) listed source categories, a minor source pursuant to 326 IAC 2-2, PSD, and shall make the requirements of 326 IAC 2-7, not applicable.

326 IAC 2.4-1 (Major Sources of Hazardous Air Pollutants (HAPs))

(a) The tank truck loading rack and the nine (9) storage tanks, identified as 34-425, 22-426, 27-427, 23-429, 24-428, 41-430, AA-1-431, O-15-432, and AA-1-433, were all constructed before July 27, 1997. Therefore, the requirements of 326 IAC 2.4-1 (Major Sources of Hazardous Air Pollutants (HAPs)) are not applicable to these facilities.

(b) The four (4) storage tanks, identified as O-38-436, O-38-437, O-38-438, and AA-7-734, were all constructed after July 27, 1997, but each have individual HAP emissions of less than ten (10.0) tons per year and a combination of all HAPs emissions of less than twenty-five (25.0) tons per year. Therefore, the requirements of 326 IAC 2.4-1 (Major Sources of Hazardous Air Pollutants (HAPs)) are not applicable to these facilities.

326 IAC 2-6 (Emission Reporting)

This source is located in Huntington 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 2-8-4 (FESOP)

The unrestricted potential to emit VOC is greater than one hundred (100) tons per year, greater than ten (10.0) tons per year of an individual HAP, and greater than twenty-five (25.0) tons per year of a combination of all HAPs. However, the source will limit VOC emissions to less than one hundred (100) tons per year, individual HAP emissions to less than ten (10.0) tons per year, and a combination of all HAPs emissions to less than twenty-five (25.0) tons per year as follows:

(a) The throughput of fuel at the truck tank loading rack when loading gasoline and/or neat ethanol shall be limited to 365,000,000 gallons of gasoline and/or neat ethanol per twelve (12) consecutive month period, with compliance determined at the end of each month, equivalent to worst case VOC emissions of 54.3 tons per year. This shall also limit the individual HAP emissions to 0.891 tons per twelve (12) consecutive month period, with compliance determined at the end of each month and the combination of all HAPs emissions to 2.90 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) The VOC emissions from the tank truck loading rack when loading gasoline shall not exceed 0.297 pounds of VOC per one thousand (1,000) gallons of gasoline.

(c) The VOC emissions from the tank truck loading rack when loading neat ethanol shall not exceed 0.058 pounds of VOC per one thousand (1,000) gallons of neat ethanol.

Compliance with these limitations, in combination with the unrestricted potential to emit VOC from truck loading kerosene, No. 2 Fuel Oil, and gasoline additives, from the four (4) storage tanks, identified as 34-425, 22-426, 27-427, and 23-429, and from all insignificant activities of 8.49 tons per year of VOC, 0.120 tons per year of an individual HAP, and 0.289 tons per year of a combination of all HAPs, shall limit the VOC emissions from the entire source to less than one hundred (100) tons per year, the individual HAP emissions to less than ten (10.0) tons per year, and the combination of all HAPs emissions to less than twenty-five (25.0) tons per year and render this source, which is not one (1) of the twenty-eight (28) listed source categories, a minor source pursuant to 326 IAC 2-2, PSD, and shall make the requirements of 326 IAC 2-7, not applicable.

326 IAC 5-1 (Opacity Limitations)

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

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

**State Rule Applicability – Individual Facilities**

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

(a) The seven (7) storage tanks, identified as AA-1-431, O-15-432, AA-1-433, O-38-436, O-38-437, O-38-438, and AA-7-434, each have capacities of less than 39,000 gallons. Therefore, pursuant to 326 IAC 8-4-3(a), the requirements of 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities) are not applicable to these facilities.

(b) The two (2) storage tanks, identified as 24-428 and 41-430, both have capacities of greater than 39,000 gallons, but store petroleum liquid whose true vapor pressures are less than 10.5 kPa (1.52 psia). Therefore, pursuant to 326 IAC 8-4-3(a), the requirements of 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities) are not applicable to these facilities.

(c) The four (4) storage tanks, identified as 34-425, 22-426, 27-427, and 23-429, each have capacities of greater than 39,000 gallons and store petroleum liquids whose true vapor pressures are greater than 10.5 kPa (1.52 psia), but were installed prior to the applicability date for this rule. The two (2) storage tanks, identified as 22-426 and 27-427, were equipped with geodesic domed roofs in 1993, which was not considered a modification because the potential to emit did not increase and was not considered a reconstruction because the installation cost was less than fifty percent (50%) of the replacement cost of each tank. Therefore, pursuant to 326 IAC 8-4-1(d), the requirements of 326 IAC 8-4-3 (Petroleum Liquid Storage Facilities) are not applicable to these facilities.

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

(a) This source is subject to the requirements of 326 IAC 8-4-4 because the one (1) loading rack and vapor combustion unit was installed after January 1, 1980, and the source loads gasoline into trucks and therefore must control VOC emissions with an adsorber or condensation system. Pursuant to 326 IAC 8-4-4 (Bulk Gasoline Terminals), no owner or operator of a bulk gasoline terminal shall permit the loading of gasoline onto any transport, excluding railroad tank cars, or barges unless:

(1) The bulk gasoline terminal is equipped with a vapor control system, in good working order, in operation and consisting of one of the following:

(A) An adsorber or condensation system which processes and recovers vapors and gases from the equipment being controlled, releasing no more than 80 mg/l of VOC to the atmosphere.

(B) A vapor collection system which directs all vapors to a fuel gas system or incinerator.

(C) An approved control system, demonstrated to have control efficiency equivalent to or greater than clause (A) above.

(2) Displaced vapors and gases are vented only to the vapor control system.

(3) A means is provided to prevent liquid drainage from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected.

(4) All loading and vapor lines are equipped with fittings which make vapor-tight connections and which will be closed upon disconnection.

(b) If employees of the owner of the bulk gasoline terminal are not present during loading, it shall be the responsibility of the owner of the transport to make certain the vapor control system is attached to the transport. The owner of the terminal shall take all reasonable steps to insure that owners of transports loading at the terminal during unsupervised times comply with this section.

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

This source is not a bulk gasoline plant. Therefore, the requirements of 326 IAC 8-4-5 (Bulk Gasoline Plants) are not applicable.

326 IAC 8-4-7 (Gasoline Transports)

This source is not a gasoline transport. Therefore, the requirements of 326 IAC 8-4-7 (Gasoline Transports) are not applicable.

326 IAC 8-4-8 (Leaks from petroleum refineries; monitoring; reports)

This source is not a petroleum refinery. Therefore, the requirements of 326 IAC 8-4-8 (Leaks from petroleum refineries; monitoring; reports) are not applicable.

326 IAC 8-4-9 (Leaks from transports and vapor collection systems; records)

This source is subject to 326 IAC 8-4-4 and operates a vapor control system. Therefore, pursuant to 326 IAC 8-4-9(a)(1), the requirements of 326 IAC 8-4-9 (Leaks from transports and vapor collection systems; records) are applicable to this source. Pursuant to 326 IAC 8-4-9, the owner or operator of a vapor balance system or vapor control system shall:

(a) No person shall allow a gasoline transport that is subject to this rule and that has a capacity of two thousand (2,000) gallons or more to be filled or emptied unless the gasoline transport completes the following:

(1) Annual leak detection testing before the end of the twelfth calendar month following the previous year's test, according to test procedures contained in 40 CFR 63.425 (e), as follows:

(A) Conduct the pressure and vacuum tests for the transport's cargo tank using a time period of five (5) minutes. The initial pressure for the pressure test shall be four hundred sixty (460) millimeters $H_2O$ (eighteen (18) inches $H_2O$) gauge. The initial vacuum for the vacuum test shall be one hundred fifty (150) millimeters $H_2O$ (six (6) inches $H_2O$) gauge. The maximum allowable pressure or vacuum change is twenty-five (25) millimeters $H_2O$ (one (1) inch $H_2O$) in five (5) minutes.

(B) Conduct the pressure test of the cargo tank's internal vapor valve as follows:

(i) After completing the test under clause (A), use the procedures in 40 CFR 60, Appendix A, Method 27 to repressurize the tank to four hundred sixty (460) millimeters $H_2O$ (eighteen (18) inches $H_2O$) gauge. Close the transport's internal vapor valve or valves, thereby isolating the vapor return line and manifold from the tank.

(ii) Relieve the pressure in the vapor return line to atmospheric pressure, then reseal the line. After five (5) minutes, record the gauge pressure in the vapor return line and manifold. The maximum allowable five (5) minute pressure increase is one hundred thirty (130) millimeters $H_2O$ (five (5) inches $H_2O$).

(2) Repairs by the gasoline transport owner or operator, if the transport does not meet the criteria of subdivision (1), and retesting to prove compliance with the criteria of subdivision (1).

(b) The annual test data remain valid until the end of the twelfth calendar month following the test. The owner of the gasoline transport shall be responsible for compliance with subsection (b) and shall provide the owner of the loading facility with the most recent valid modified 40 CFR 60, Appendix A, Method 27* test results upon request. The owner of the loading facility shall take all reasonable steps, including reviewing the test date and tester's signature, to ensure that gasoline transports loading at its facility comply with subsection (a).

(c) Design and operate the applicable system and the gasoline loading equipment in a manner that prevents:

(1) Gauge pressure from exceeding four thousand five hundred (4,500) pascals (eighteen (18) inches of H2O) and a vacuum from exceeding one thousand five hundred (1,500) pascals (six (6) inches of H2O) in the gasoline transport; and

(2) Avoidable visible liquid leaks during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals.

(d) Within fifteen (15) days, repair and retest a vapor balance, collection, or control system that exceeds the limits in subdivision (a).

(e) Maintain records of all certification testing, identifying the following:

(1) The vapor balance, vapor collection, or vapor control system.

(2) The date of the test and, if applicable, retest.

(3) The results of the test and, if applicable, retest.

The records shall be maintained in a legible, readily available condition for at least two (2) years after the date the testing and, if applicable, retesting were completed.

(f) During compliance tests conducted under 326 IAC 3-6 (stack testing), each vapor balance or control system shall be tested applying the standards described in 326 IAC 8-4-9 (d)(1)(B). Testers shall use 40 CFR 60, Appendix A, Method 21 to determine if there are any leaks from the hatches and the flanges of the gasoline transports. If any leak is detected, the transport cannot be used for the capacity of the compliance test of the bulk gas terminal. The threshold for leaks shall be as follows:

(1) Five hundred (500) parts per million methane for all bulk gas terminals subject to NESHAP/MACT (40 CFR 63, Subpart R).

(2) Ten thousand (10,000) parts per million methane for all bulk gas terminals subject to New Source Performance Standards (40 CFR 60, Subpart XX) and for all other bulk gas terminals.

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

This source is located in Huntington County. Therefore, pursuant to 326 IAC 8-9-1(a), the requirements of 326 IAC 8-9 (Volatile Organic Liquid Storage Vessels) are not applicable to this source.

326 IAC 12-1 (New Source Performance Standards)

This source is subject to the New Source Performance Standard, 40 CFR 60, Subpart XX, Standards of Performance for Bulk Gasoline Terminals. Therefore, the requirements of 326 IAC 12-1 are applicable because the rule incorporates by reference the provisions of 40 CFR 60.

**State Rule Applicability – Insignificant Activities**

326 IAC 6-3-2 (Process Operations)

The particulate matter (PM) from the abrasive blast and/or painting of tanks, piping and miscellaneous terminal equipment and structures, shall be limited by the following:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

**Testing Requirements**

(a) Previous Stack Tests

On April 30, 2003, the source conducted a VOC emissions test of the loading rack to demonstrate compliance with Condition D.1.2 of F 069-14954-00002, issued on June 7, 2002, which required VOC emissions not to exceed 35 milligrams per liter of gasoline loaded. The facility was found to be in compliance with this limit.

(b) Proposed Stack Tests

By April 30, 2008, the Permittee shall conduct VOC testing of the permanent vapor combustion unit that controls VOC emissions from the tank truck loading rack.

**Compliance Determination and Monitoring Requirements**

Permits issued under 326 IAC 2-7 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 2-7-5. 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 enforce-

ment 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.

The Compliance Determination Requirements applicable to this source are as follows:

The tank truck loading rack has applicable compliance determination conditions as specified below:

(a) By April 30, 2008, the Permittee shall conduct VOC testing of the permanent vapor combustion unit that controls VOC emissions from the tank truck loading rack.

(b) The permanent vapor combustion unit or the backup portable vapor combustion unit of either a RANE Model RAN PEVB15, or a John Zink Model GV-LH-8400-2, shall be in operation and control emissions from the tank truck loading rack at all times when the facility is in operation.

The Compliance Monitoring Requirements applicable to this source are as follows:

| Control | Parameter | Frequency | Range | Excursions and Exceedances |
|---|---|---|---|---|
| Permanent Vapor Combustion Unit | Pilot Flame Presence | Once per scheduled working day | Present | Response Steps |
| | | | Not present | |
| Backup Portable Vapor Combustion Unit of either a RANE Model RAN PEVB15 or a John Zink Model GV-LH-8400-2 | Pilot Flame Presence | Once per scheduled working day | Present | Response Steps |
| | | | Not Present | |

These monitoring conditions are necessary because the vapor combustion units for the tank truck loading rack must operate properly to ensure compliance with 326 IAC 2-8-4, 326 IAC 2-2, 326 IAC 8-4-4, and 40 CFR 60, Subpart XX.

**Recommendation**

The staff recommends to the Commissioner that the FESOP Renewal 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 July 3, 2006.

**Conclusion**

The operation of this petroleum products distribution source shall be subject to the conditions of the attached **FESOP Renewal No**. **F 069-23317-00002**.

**Appendix A: Emission Calculations**
**Loading Rack Emissions - Gasoline**

**Company Name:** Marathon Petroleum Company, LLC - Huntington Terminal
**Address City IN Zip:** 4648 North Meridian Road, Huntington, Indiana 46750
**FESOP Renewal:** F 069-23317-00002
**Reviewer:** Michael A. Morrone/MES
**Date:** August 16, 2007

**Gasoline Loading**

LL = 12.46(S*P*M/T) - AP 42 Section 5.2

**Where:**
LL = Loading Loss, pounds per 1000 gallons (lb/10^3 gal) of liquid loaded
S = Saturation factor (AP 42, Table 5.2-1) (0.6 for submerged loading)
P = True vapor pressure of liquid loaded, pounds per square inch absolute (psia)
M = Molecular weight of vapors, pounds per pound-mole (lb/lb-mole)
T= Temperature of bulk liquid loaded ˚R (˚F +460)

**For Gasoline:**

| | | |
|---|---|---|
| S = | 0.600 | (from AP 42, Table 5.2-1) |
| P = | 6.56 | psia (at 60˚F, ~520˚R) (from AP-42, Table 7.1-2) |
| M = | 63.3 | lb/lbmol |
| T = | 520 | ˚R |
| **LL* =** | **5.97** | **lb/10^3 gal** |

***LL is determined using the average vapor pressures and the average molecular weights of the three grades of gasoline loaded.**

**Total Gasoline Throughput**

Max Annual Throughput = 365,000,000 gals/yr gasoline

**Uncontrolled VOC Emissions**

| | | |
|---|---|---|
| LL | 5.97 | lb/10^3 gal |
| Max Annual Throughput | 365,000,000 | gal/yr gasoline |
| Annual VOC Emissions | 2179046 | lbs/yr |
| **Annual VOC Emissions** | **1090** | **tons/yr** |

**Controlled and Limited VOC Emissions**

| | | |
|---|---|---|
| LL = | 0.297 | lb/10^3 gal |
| Max Annual Throughput = | 365,000,000 | gals/yr gasoline |
| Annual VOC Emissions | 108516.4819 | lbs/yr |
| **Annual VOC Emissions** | **54.3** | **tons/yr** |

**METHODOLOGY**
Annual VOC Emissions (lbs/yr) =LL * Max Annual Throughput
Annual VOC Emissions (tons/yr) =Annual VOC Emissions (lbs/yr) /2000 lbs/ton
*Controlled LL factor based on a vapor combustion unit efficiency of 95.02%.

# Appendix A: Emission Calculations
## Loading Rack Emissions - Jet Kerosene

**Company Name:** Marathon Petroleum Company, LLC - Huntington Terminal
**Address City IN Zip:** 4648 North Meridian Road, Huntington, Indiana 46750
**FESOP Renewal:** F 069-23317-00002
**Reviewer:** Michael A. Morrone/MES
**Date:** August 16, 2007

**Jet Kerosene Loading - Submerged Loading - Dedicated Normal Service**

LL = 12.46(S*P*M/T) - AP 42 Section 5.2

**Where:**
LL = Loading Loss, pounds per 1000 gallons (lb/10^3 gal) of liquid loaded
S = Saturation factor (AP 42, Table 5.2-1) (0.6 for submerged loading)
P = True vapor pressure of liquid loaded, pounds per square inch absolute (psia)
M = Molecular weight of vapors, pounds per pound-mole (lb/lb-mole)
T= Temperature of bulk liquid loaded ˚R (˚F +460)

**For Jet Kerosene:**

| | | |
|---|---|---|
| S = | 0.600 | (from AP 42, Table 5.2-1) |
| P = | 0.0085 | psia (at 60˚F, ~520˚R) (from AP-42, Table 7.1-2) |
| M = | 130.0 | lb/lbmol |
| T = | 520 | ˚R |
| **LL =** | **0.016** | **lb/10^3 gal** |

**Total Jet Kerosene Throughput**

Max Annual Throughput = 20,000,000 gals/yr No. 2 Fuel Oil

**Annual VOC Emissions (Truck Loading) (uncontrolled)**

| | | |
|---|---|---|
| LL | 0.016 | lb/10^3 gal |
| Max Annual Throughput | 20,000,000 | gal/yr Jet Kerosene |
| Annual VOC Emissions | 318 | lbs/yr |
| **Annual VOC Emissions** | **0.159** | **tons/yr** |

**Controlled and Limited VOC Emissions***

| | | |
|---|---|---|
| LL = | 0.001 | lb/10^3 gal |
| Max Annual Throughput = | 20,000,000 | gals/yr jet kerosene |
| Annual VOC Emissions | 15.8 | lbs/yr |
| **Annual VOC Emissions** | **0.008** | **tons/yr** |

**METHODOLOGY**
Annual VOC Emissions (lbs/yr) =LL * Max Annual Throughput
Annual VOC Emissions (tons/yr) =Annual VOC Emissions (lbs/yr) /2000 lbs/ton
*Using a vapor combustion unit control efficiency of 96.16%.

# Appendix A: Emission Calculations
## Loading Rack Emissions - No. 2 Fuel Oil

**Company Name:** Marathon Petroleum Company, LLC - Huntington Terminal
**Address City IN Zip:** 4648 North Meridian Road, Huntington, Indiana 46750
**FESOP Renewal:** F 069-23317-00002
**Reviewer:** Michael A. Morrone/MES
**Date:** August 16, 2007

**No. 2 Fuel Oil Loading - Submerged Loading - Dedicated Normal Service**

LL = 12.46(S*P*M/T) - AP 42 Section 5.2

**Where:**
LL = Loading Loss, pounds per 1000 gallons (lb/10^3 gal) of liquid loaded
S = Saturation factor (AP 42, Table 5.2-1) (0.6 for submerged loading)
P = True vapor pressure of liquid loaded, pounds per square inch absolute (psia)
M = Molecular weight of vapors, pounds per pound-mole (lb/lb-mole)
T= Temperature of bulk liquid loaded ˚R (˚F +460)

**For No.2 Fuel Oil:**

| | | |
|---|---|---|
| S = | 0.600 | (from AP 42, Table 5.2-1) |
| P = | 0.0065 | psia (at 60˚F, ~520˚R) (from AP-42, Table 7.1-2) |
| M = | 130.0 | lb/lbmol |
| T = | 520 | ˚R |
| **LL =** | **0.012** | **lb/10^3 gal** |

**Total No. 2 Fuel Oil Throughput**

Max Annual Throughput = 201,000,000 gals/yr No. 2 Fuel Oil

**Annual VOC Emissions (Truck Loading) (uncontrolled)**

| | | |
|---|---|---|
| LL | 0.012 | lb/10^3 gal |
| Max Annual Throughput | 201,000,000 | gal/yr No. 2 Fuel Oil |
| Annual VOC Emissions | 2442 | lbs/yr |
| **Annual VOC Emissions** | **1.22** | **tons/yr** |

**Controlled and Limited VOC Emissions***

| | | |
|---|---|---|
| LL = | 0.0006 | lb/10^3 gal |
| Max Annual Throughput = | 201,000,000 | gals/yr gasoline |
| Annual VOC Emissions | 122 | lbs/yr |
| **Annual VOC Emissions** | **0.061** | **tons/yr** |

**METHODOLOGY**
Annual VOC Emissions (lbs/yr) =LL * Max Annual Throughput
Annual VOC Emissions (tons/yr) =Annual VOC Emissions (lbs/yr) /2000 lbs/ton
*Using a vapor combustion unit efficiency of 96.16%.

# Appendix A: Emission Calculations
## Loading Rack Emissions - Ethyl Alcohol

**Company Name:** Marathon Petroleum Company, LLC - Huntington Terminal
**Address City IN Zip:** 4648 North Meridian Road, Huntington, Indiana 46750
**FESOP Renewal:** F 069-23317-00002
**Reviewer:** Michael A. Morrone/MES
**Date:** August 16, 2007

**Ethyl Alcohol Loading - Submerged Loading - Dedicated Normal Service**

LL = 12.46(S*P*M/T) - AP 42 Section 5.2

**Where:**
LL = Loading Loss, pounds per 1000 gallons (lb/10^3 gal) of liquid loaded
S = Saturation factor (AP 42, Table 5.2-1) (0.6 for submerged loading)
P = True vapor pressure of liquid loaded, pounds per square inch absolute (psia)
M = Molecular weight of vapors, pounds per pound-mole (lb/lb-mole)
T= Temperature of bulk liquid loaded ˚R (˚F +460)

**For Ethyl Alcohol:**

| | | |
|---|---|---|
| S = | 0.600 | (from AP 42, Table 5.2-1) |
| P = | 0.6190 | psia (at 60˚F, ~520˚R) (from AP-42, Table 7.1-2) |
| M = | 130.0 | lb/lbmol |
| T = | 520 | ˚R |
| **LL =** | **1.16** | **lb/10^3 gal** |

**Total Ethyl Alcohol Throughput**

Max Annual Throughput = 365,000,000 gals/yr No. 2 Fuel Oil

**Annual VOC Emissions (Truck Loading) (uncontrolled)**

| | | |
|---|---|---|
| LL | 1.16 | lb/10^3 gal |
| Max Annual Throughput | 365,000,000 | gal/yr Ethyl Alcohol |
| Annual VOC Emissions | 422273 | lbs/yr |
| **Annual VOC Emissions** | **211** | **tons/yr** |

**Controlled and Limited VOC Emissions***

| | | |
|---|---|---|
| LL = | 0.058 | lb/10^3 gal |
| Max Annual Throughput = | 365,000,000 | gals/yr Ethyl Alcohol |
| Annual VOC Emissions | 21029 | lbs/yr |
| **Annual VOC Emissions** | **10.5** | **tons/yr** |

**METHODOLOGY**
Annual VOC Emissions (lbs/yr) =LL * Max Annual Throughput
Annual VOC Emissions (tons/yr) =Annual VOC Emissions (lbs/yr) /2000 lbs/ton
95.03%.

**Appendix A: Emissions Calculations**
**Tank VOC Emissions - Potential to Emit**

**Company Name:** Marathon Petroleum Company, LLC - Huntington Terminal
**Address City IN Zip:** 4648 North Meridian Road, Huntington, Indiana 46750
**FESOP Renewal:** F 069-23317-00002
**Reviewer:** Michael A. Morrone/MES
**Date:** August 16, 2007

| Tank Number | Product Stored | Losses (Tons per Year) | | | | | | | Total Potential to Emit VOC |
|---|---|---|---|---|---|---|---|---|---|
| | | Standing | Breathing | Working | Withdrawal | Rim Seal | Deck Fitting | Deck Seam | (tons/yr) |
| 34-425 | Gasoline (RVP 15) | 0.637 | 0.075 | 0.153 | 0.111 | 0.036 | 0.600 | 0.00 | 0.748 |
| 34-425 | Gasoline (RVP 13.5) | 0.451 | 0.00 | 0.00 | 0.067 | 0.026 | 0.425 | 0.00 | 0.518 |
| 34-425 | Gasoline (RVP 9) | 0.427 | 0.00 | 0.00 | 0.089 | 0.024 | 0.403 | 0.00 | 0.516 |
| 22-426 | Gasoline (RVP 15) | 0.677 | 0.00 | 0.00 | 0.134 | 0.573 | 0.105 | 0.00 | 0.811 |
| 22-426 | Gasoline (RVP 13.5) | 0.480 | 0.00 | 0.00 | 0.080 | 0.405 | 0.074 | 0.00 | 0.560 |
| 22-426 | Gasoline (RVP 9) | 0.454 | 0.00 | 0.00 | 0.107 | 0.384 | 0.070 | 0.00 | 0.562 |
| 27-427 | Gasoline (RVP 15) | 0.748 | 0.00 | 0.00 | 0.120 | 0.640 | 0.109 | 0.00 | 0.868 |
| 27-427 | Gasoline (RVP 13.5) | 0.530 | 0.000 | 0.000 | 0.072 | 0.453 | 0.077 | 0.00 | 0.602 |
| 27-427 | Gasoline (RVP 9) | 0.502 | 0.002 | 0.010 | 0.096 | 0.429 | 0.073 | 0.00 | 0.598 |
| 23-429 | Gasoline (RVP 15) | 0.753 | 0.002 | 0.010 | 0.142 | 0.22 | 0.536 | 0.00 | 0.894 |
| 23-429 | Gasoline (RVP 13.5) | 0.533 | 0.001 | 0.0002 | 0.085 | 0.154 | 0.379 | 0.00 | 0.618 |
| 23-429 | Gasoline (RVP 9) | 0.505 | 0.000 | 0.0000 | 0.113 | 0.146 | 0.359 | 0.00 | 0.618 |
| 24-428 | Jet Kerosene | 0.00 | 0.073 | 0.208 | 0.00 | 0.00 | 0.00 | 0.00 | 0.282 |
| 41-430 | No. 2 Fuel Oil | 0.00 | 0.100 | 0.670 | 0.00 | 0.00 | 0.00 | 0.00 | 0.771 |
| AA-1-431 | No. 2 Fuel Oil | 0.00 | 0.092 | 0.6373 | 0.00 | 0.00 | 0.00 | 0.00 | 0.729 |
| O-15-432 | Ethyl Alcohol | 0.00 | 0.030 | 0.1462 | 0.00 | 0.00 | 0.00 | 0.00 | 0.177 |
| AA-1-433 | Gasoline Additives | 0.00 | 0.018 | 0.094 | 0.00 | 0.00 | 0.00 | 0.00 | 0.112 |
| AA-7-434 | Diesel Additives and Dyes | 0.00 | 0.00002 | 0.00003 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00005 |
| O-1-436 | Ethyl Alcohol | 0.00 | 0.069 | 0.706 | 0.00 | 0.00 | 0.00 | 0.00 | 0.775 |
| O-38-437 | Ethyl Alcohol | 0.00 | 0.072 | 0.697 | 0.00 | 0.00 | 0.00 | 0.00 | 0.769 |
| O-38-438 | Denatured ethanol | 0.00 | 0.071 | 0.682 | 0.00 | 0.00 | 0.00 | 0.00 | 0.752 |
| | **TOTALS** | **6.70** | **0.605** | **4.02** | **1.22** | **3.49** | **3.21** | **0.00** | **12.3** |

**METHODOLOGY**

IDEM, OAQ has calculated all storage tanks emissions using USEPA's TANKs 4.09d software program and all emissions are based on the estimated maximum annual throughput for each tank.

**Appendix A: Emissions Calculations**
**Tank or Loading Rack HAP Emissions -**
**Potential to Emit**

**Company Name:** Marathon Petroleum Company, LLC - Huntington Terminal
**Address City IN Zip:** 4648 North Meridian Road, Huntington, Indiana 46750
**FESOP Renewal:** F 069-23317-00002
**Reviewer:** Michael A. Morrone/MES
**Date:** August 16, 2007

| Tank Number or Loading Rack | Product Stored | VOC Emissions (tons/yr) | Weight % Benzene | Weight % Toluene | Weight % Ethylbenzene | Weight % Xylene | Weight % 2,2,4 Trimethylpentane | Weight % Hexane | Weight % Cumene | Weight % Napthalene | Benzene Emissions (tons/yr) | Toluene Emissions (tons/yr) | Ethylbenzene Emissions (tons/yr) | Xylene Emissions (tons/yr) | 2,2,4 Trimethylpentane Emissions (tons/yr) | Hexane Emissions (tons/yr) | Cumene Emissions (tons/yr) | Napthalene Emissions (tons/yr) | Total HAPs (tons/yr) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34-425 | Gasoline (RVP 15) | 0.748 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.007 | 0.010 | 0.001 | 0.004 | 0.006 | 0.012 | 0.00 | 0.00 | 0.039 |
| 34-425 | Gasoline (RVP 13.5) | 0.518 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.005 | 0.007 | 0.001 | 0.003 | 0.004 | 0.008 | 0.00 | 0.00 | 0.027 |
| 34-425 | Gasoline (RVP 9) | 0.516 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.005 | 0.0067 | 0.001 | 0.003 | 0.004 | 0.008 | 0.00 | 0.00 | 0.027 |
| 22-426 | Gasoline (RVP 15) | 0.811 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.007 | 0.0105 | 0.001 | 0.004 | 0.006 | 0.013 | 0.00 | 0.00 | 0.042 |
| 22-426 | Gasoline (RVP 13.5) | 0.560 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.005 | 0.0073 | 0.001 | 0.003 | 0.004 | 0.009 | 0.00 | 0.00 | 0.029 |
| 22-426 | Gasoline (RVP 9) | 0.562 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.005 | 0.0073 | 0.001 | 0.003 | 0.004 | 0.009 | 0.00 | 0.00 | 0.029 |
| 27-427 | Gasoline (RVP 15) | 0.868 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.008 | 0.011 | 0.001 | 0.004 | 0.007 | 0.014 | 0.00 | 0.00 | 0.045 |
| 27-427 | Gasoline (RVP 13.5) | 0.602 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.005 | 0.008 | 0.001 | 0.003 | 0.005 | 0.010 | 0.00 | 0.00 | 0.031 |
| 27-427 | Gasoline (RVP 9) | 0.598 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.005 | 0.008 | 0.001 | 0.003 | 0.005 | 0.010 | 0.00 | 0.00 | 0.031 |
| 23-429 | Gasoline (RVP 15) | 0.894 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.008 | 0.012 | 0.001 | 0.004 | 0.007 | 0.014 | 0.00 | 0.00 | 0.047 |
| 23-429 | Gasoline (RVP 13.5) | 0.618 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.006 | 0.008 | 0.001 | 0.003 | 0.005 | 0.010 | 0.00 | 0.00 | 0.032 |
| 23-429 | Gasoline (RVP 9) | 0.618 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.006 | 0.008 | 0.001 | 0.00 | 0.005 | 0.010 | 0.00 | 0.00 | 0.032 |
| 24-428 | Jet Kerosene | 0.282 | 0.020% | 0.260% | 0.040% | 0.690% | 0.00% | 0.010% | 0.00% | 0.00% | 0.0001 | 0.001 | 0.0001 | 0.002 | 0.00 | 0.00003 | 0.00 | 0.00 | 0.003 |
| 41-430 | No. 2 Fuel Oil | 0.771 | 0.020% | 0.260% | 0.040% | 0.690% | 0.00% | 0.010% | 0.00% | 0.00% | 0.0002 | 0.002 | 0.0003 | 0.005 | 0.00 | 0.0001 | 0.00 | 0.00 | 0.008 |
| AA-1-431 | No. 2 Fuel Oil | 0.729 | 0.020% | 0.260% | 0.040% | 0.690% | 0.00% | 0.010% | 0.00% | 0.00% | 0.0001 | 0.002 | 0.0003 | 0.005 | 0.00 | 0.0001 | 0.00 | 0.00 | 0.007 |
| O-15-432 | Ethyl Alcohol | 0.177 | 0.999% | 4.00% | 0.900% | 4.000% | 0.00% | 0.999% | 0.002% | 0.0002% | 0.002 | 0.007 | 0.002 | 0.007 | 0.00 | 0.002 | 0.00 | 0.00 | 0.019 |
| AA-1-433 | Gasoline Additives | 0.112 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AA-7-434 | Diesel Additives and Dyes | 0.00005 | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| O-1-436 | Ethyl Alcohol | 0.775 | 0.999% | 4.00% | 0.900% | 4.000% | 0.000% | 0.999% | 0.002% | 0.0002% | 0.008 | 0.031 | 0.007 | 0.031 | 0.00 | 0.008 | 0.00 | 0.00 | 0.084 |
| O-38-437 | Ethyl Alcohol | 0.769 | 0.999% | 4.00% | 0.900% | 4.000% | 0.000% | 0.999% | 0.002% | 0.0002% | 0.008 | 0.031 | 0.007 | 0.031 | 0.00 | 0.01 | 0.00 | 0.00 | 0.084 |
| O-38-438 | Denatured ethanol | 0.752 | 0.999% | 4.00% | 0.900% | 4.000% | 0.000% | 0.999% | 0.002% | 0.0002% | 0.008 | 0.030 | 0.007 | 0.030 | 0.00 | 0.008 | 0.00 | 0.00 | 0.082 |
| Truck Loading | Gasoline | 1090 | 0.900% | 1.30% | 0.100% | 0.500% | 0.800% | 1.60% | 0.000% | 0.000% | 9.81 | 14.2 | 1.09 | 5.45 | 8.72 | 17.4 | 0.00 | 0.00 | 56.7 |
| Truck Loading | Jet Kerosene | 0.159 | 0.020% | 0.260% | 0.040% | 0.690% | 0.000% | 0.010% | 0.000% | 0.000% | 0.00003 | 0.0004 | 0.0001 | 0.001 | 0.00 | 0.00002 | 0.00 | 0.00 | 0.002 |
| Truck Loading | No. 2 Fuel Oil | 1.22 | 0.020% | 0.260% | 0.040% | 0.690% | 0.000% | 0.010% | 0.000% | 0.000% | 0.0002 | 0.003 | 0.0005 | 0.008 | 0.00 | 0.0001 | 0.00 | 0.00 | 0.012 |
| Truck Loading | Ethyl Alcohol/Denatured Ethanol | 211 | 0.999% | 4.000% | 0.900% | 4.000% | 0.000% | 0.999% | 0.002% | 0.000% | 2.11 | 8.45 | 1.90 | 8.45 | 0.00 | 2.11 | 0.00 | 0.00 | 23.0 |
| | **Worst Case Loading Rack** | **1090** | | | | | | | | **Worst Case Loading Rack** | **9.81** | **14.2** | **1.09** | **5.45** | **8.72** | **17.4** | **0.00** | **0.00** | **56.7** |
| | Fugitive Emissions | 0.156 | 0.900% | 1.300% | 0.100% | 0.500% | 0.800% | 1.60% | 0.00% | 0.00% | 0.001 | 0.002 | 0.0002 | 0.001 | 0.00 | 0.002 | 0.00 | 0.00 | 0.008 |
| | **TOTALS** | **1102** | | | | | | | | | **9.90** | **14.4** | **1.12** | **5.60** | **8.78** | **17.6** | **0.00** | **0.00** | **57.4** |

**Appendix A: Emissions Calculations**
**Summary**

**Company Name:** Marathon Petroleum Company, LLC - Huntington Terminal
**Address City IN Zip:** 4648 North Meridian Road, Huntington, Indiana 46750
**FESOP Renewal:** F 069-23317-00002
**Reviewer:** Michael A. Morrone/MES
**Date:** August 16, 2007

**Summary of Emissions**

**Uncontrolled Potential Emissions**

| ***Significant Emission Units*** | **PM** | **PM-10** | **SO2** | **NOx** | **VOC** | **CO** | **Benzene** | **Toluene** | **Ethylbenzene** | **Xylene** | **2,2,4 Trimethylpentane** | **Hexane** | **Cumene** | **Napthalene** | **Total HAPs** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) |
| Truck Tank Rack Loading | 0.00 | 0.00 | 0.00 | 0.00 | 1090 | 0.00 | 9.81 | 14.2 | 1.09 | 5.45 | 8.72 | 17.4 | 0.00 | 0.00 | 56.7 |
| 34-425 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 0.00 | 0.016 | 0.023 | 0.002 | 0.009 | 0.014 | 0.029 | 0.00 | 0.00 | 0.093 |
| 22-426 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.017 | 0.025 | 0.002 | 0.010 | 0.015 | 0.031 | 0.00 | 0.00 | 0.101 |
| 27-427 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.019 | 0.027 | 0.002 | 0.010 | 0.017 | 0.034 | 0.00 | 0.00 | 0.109 |
| 23-429 | 0.00 | 0.00 | 0.00 | 0.00 | 0.811 | 0.00 | 0.019 | 0.028 | 0.002 | 0.011 | 0.017 | 0.034 | 0.00 | 0.00 | 0.111 |
| Fugitive Emissions | 0.00 | 0.00 | 0.00 | 0.00 | 0.156 | 0.00 | 0.001 | 0.002 | 0.0002 | 0.001 | 0.001 | 0.002 | 0.000 | 0.000 | 0.008 |
| ***Insignificant Activities*** | | | | | | | | | | | | | | | |
| 24-428 | 0.00 | 0.00 | 0.00 | 0.00 | 0.282 | 0.00 | 0.0001 | 0.001 | 0.0001 | 0.002 | 0.00 | 0.00003 | 0.00 | 0.00 | 0.003 |
| 41-430 | 0.00 | 0.00 | 0.00 | 0.00 | 0.771 | 0.00 | 0.0002 | 0.002 | 0.0003 | 0.005 | 0.00 | 0.0001 | 0.00 | 0.00 | 0.008 |
| AA-1-431 | 0.00 | 0.00 | 0.00 | 0.00 | 0.729 | 0.00 | 0.0001 | 0.002 | 0.0003 | 0.005 | 0.00 | 0.0001 | 0.00 | 0.00 | 0.007 |
| O-15-432 | 0.00 | 0.00 | 0.00 | 0.00 | 0.177 | 0.00 | 0.002 | 0.007 | 0.002 | 0.007 | 0.00 | 0.00 | 0.000004 | 0.0000004 | 0.019 |
| AA-1-433 | 0.00 | 0.00 | 0.00 | 0.00 | 0.112 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AA-7-434 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| O-1-436 | 0.00 | 0.00 | 0.00 | 0.00 | 0.775 | 0.00 | 0.008 | 0.031 | 0.007 | 0.031 | 0.00 | 0.008 | 0.00002 | 0.000002 | 0.084 |
| O-38-437 | 0.00 | 0.00 | 0.00 | 0.00 | 0.769 | 0.00 | 0.008 | 0.031 | 0.007 | 0.031 | 0.00 | 0.008 | 0.00002 | 0.000002 | 0.084 |
| O-38-438 | 0.00 | 0.00 | 0.00 | 0.00 | 0.752 | 0.00 | 0.008 | 0.030 | 0.007 | 0.030 | 0.00 | 0.008 | 0.00002 | 0.000002 | 0.082 |
| Abrasive blasting and/or painting of tanks | 4.56 | 4.56 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Total** | **4.56** | **4.56** | **0.00** | **0.00** | **1103** | **0.00** | **9.90** | **14.4** | **1.12** | **5.60** | **8.78** | **17.6** | **0.00** | **0.00** | **57.4** |

**Limited and Controlled Potential Emissions**

| ***Significant Emission Units*** | **PM** | **PM-10** | **SO2** | **NOx** | **VOC** | **CO** | **Benzene** | **Toluene** | **Ethylbenzene** | **Xylene** | **2,2,4 Trimethylpentane** | **Hexane** | **Cumene** | **Napthalene** | **Total HAPs** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) |
| Truck Tank Rack Loading | 0.00 | 0.00 | 0.00 | 0.00 | 55.7 | 0.00 | 0.501 | 0.724 | 0.056 | 0.278 | 0.445 | 0.891 | 0.000 | 0.000 | 2.90 |
| 34-425 | 0.00 | 0.00 | 0.00 | 0.00 | 1.78 | 0.00 | 0.016 | 0.023 | 0.002 | 0.009 | 0.014 | 0.029 | 0.00 | 0.00 | 0.093 |
| 22-426 | 0.00 | 0.00 | 0.00 | 0.00 | 1.93 | 0.00 | 0.017 | 0.025 | 0.002 | 0.010 | 0.015 | 0.031 | 0.00 | 0.00 | 0.101 |
| 27-427 | 0.00 | 0.00 | 0.00 | 0.00 | 2.07 | 0.00 | 0.019 | 0.027 | 0.002 | 0.010 | 0.017 | 0.034 | 0.00 | 0.00 | 0.109 |
| 23-429 | 0.00 | 0.00 | 0.00 | 0.00 | 0.811 | 0.00 | 0.019 | 0.028 | 0.002 | 0.011 | 0.017 | 0.034 | 0.00 | 0.00 | 0.111 |
| Fugitive Emissions | 0.00 | 0.00 | 0.00 | 0.00 | 0.156 | 0.00 | 0.001 | 0.002 | 0.0002 | 0.001 | 0.001 | 0.002 | 0.00 | 0.00 | 0.008 |
| ***Insignificant Activities*** | | | | | | | | | | | | | | | |
| 24-428 | 0.00 | 0.00 | 0.00 | 0.00 | 0.282 | 0.00 | 0.0001 | 0.001 | 0.0001 | 0.002 | 0.00 | 0.00003 | 0.00 | 0.00 | 0.003 |
| 41-430 | 0.00 | 0.00 | 0.00 | 0.00 | 0.771 | 0.00 | 0.0002 | 0.002 | 0.0003 | 0.005 | 0.00 | 0.0001 | 0.00 | 0.00 | 0.008 |
| AA-1-431 | 0.00 | 0.00 | 0.00 | 0.00 | 0.729 | 0.00 | 0.0001 | 0.002 | 0.0003 | 0.005 | 0.00 | 0.0001 | 0.00 | 0.00 | 0.007 |
| O-15-432 | 0.00 | 0.00 | 0.00 | 0.00 | 0.177 | 0.00 | 0.002 | 0.007 | 0.002 | 0.007 | 0.00 | 0.002 | 0.000004 | 0.0000004 | 0.019 |
| AA-1-433 | 0.00 | 0.00 | 0.00 | 0.00 | 0.112 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AA-7-434 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00005 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| O-1-436 | 0.00 | 0.00 | 0.00 | 0.00 | 0.775 | 0.00 | 0.008 | 0.031 | 0.007 | 0.031 | 0.00 | 0.008 | 0.00002 | 0.000002 | 0.084 |
| O-38-437 | 0.00 | 0.00 | 0.00 | 0.00 | 0.769 | 0.00 | 0.008 | 0.031 | 0.007 | 0.031 | 0.00 | 0.008 | 0.00002 | 0.000002 | 0.084 |
| O-38-438 | 0.00 | 0.00 | 0.00 | 0.00 | 0.752 | 0.00 | 0.008 | 0.030 | 0.007 | 0.030 | 0.00 | 0.008 | 0.00002 | 0.000002 | 0.082 |
| Abrasive blasting and/or painting of tanks | 4.56 | 4.56 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Total** | **4.56** | **4.56** | **0.00** | **0.00** | **Less than 100** | **0.00** | **Less than 10.0** | | | | | | | | **Less than 25.0** |

**Please note that since this source is not one of the twenty-eight listed source categories, fugitive emissions are not counted towards Part 70 or Emission Offset applicabilities.**