NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a Significant Modification to a Part 70 Operating Permit for The Premcor Pipeline Co. - Hammond Terminal in Lake County
Significant Permit Modification No.: 089-43511-00209

The Indiana Department of Environmental Management (IDEM) has received an application from The Premcor Pipeline Co. - Hammond Terminal, located at 1020 141st Street, Hammond, Indiana 46327, for a significant modification of its Part 70 Operating Permit issued on June 1, 2020. If approved by IDEM’s Office of Air Quality (OAQ), this proposed modification would allow The Premcor Pipeline Co. - Hammond Terminal to make certain changes at its existing source. The Premcor Pipeline Co. - Hammond Terminal has applied to add one (1) new transmix truck loading operation with associated fugitive piping components and haul roads.

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. In addition, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow the applicant to make this change.

A copy of the permit application and IDEM's preliminary findings have been sent to:

Hammond Public Library
564 State Street
Hammond, Indiana 46320

and

IDEM Northwest Regional Office
330 W. US Highway 30, Suites E & F
Valparaiso, IN 46385

A copy of the preliminary findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

A copy of the application and preliminary findings is also available via IDEM’s Virtual File Cabinet (VFC). To access VFC, please go to: http://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.

How can you participate in this process?

The date that this notice is posted on IDEM’s website (https://www.in.gov/idem/5474.htm) marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the air pollution impact of this draft permit are received, with a request for a public hearing,
IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public 
meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will 
make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, 
you would have an opportunity to submit written comments and make verbal comments. At a meeting, 
you would have an opportunity to submit written comments, ask questions, and discuss any air pollution 
concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to 
IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so 
that you can be added to IDEM’s mailing list to receive notice of future action related to this permit. If you 
do not want to comment at this time, but would like to receive notice of future action related to this permit 
application, please contact IDEM at the address below. Please refer to permit number SPM 089-43511-
00209 in all correspondence.

Comments should be sent to:

Kelcy Tolliver  
IDEM, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
(800) 451-6027, ask for Kelcy Tolliver or (317) 234-6679  
Or dial directly: (317) 234-6679  
Fax: (317) 232-6749 attn: Kelcy Tolliver  
E-mail: KTollive@idem.IN.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. 
Comments that are most likely to affect final permit decisions are those based on the rules and laws 
governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not 
have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local 
officials.

For additional information about air permits and how the public and interested parties can participate, 
refer to the IDEM Air Permits page on the Internet at: http://www.in.gov/idem/airquality/2356.htm; and the 

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the 
permit has been issued or denied. If the permit is issued, it may be different than the draft permit 
because of comments that were received during the public comment period. If comments are received 
during the public notice period, the final decision will include a document that summarizes the comments 
and IDEM’s response to those comments. If you have submitted comments or have asked to be added to 
the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may 
appeal IDEM’s decision, if you disagree with that decision. The final decision will also be available on the 
Internet at the address indicated above and will also be sent to the local library indicated above, the IDEM 
Regional Office indicated above, and the IDEM public file room on the 12th floor of the Indiana 
Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact Kelcy Tolliver of my staff at the above address.

Josiah K. Balogun, Section Chief  
Permits Branch  
Office of Air Quality
Mikayla Briggs
The Premcor Pipeline Co.
One Valero Way
San Antonio, Texas 78249

Re: 089-43511-00209
Significant Permit Modification

Dear Mikayla Briggs:

The Premcor Pipeline Co. - Hammond Terminal was issued Part 70 Operating Permit Renewal No. T089-42361-00209 on June 1, 2020 for a stationary petroleum bulk terminal operation located at 1020 141st Street, Hammond, Indiana 46327. An application requesting changes to this permit was received on November 23, 2020. Pursuant to the provisions of 326 IAC 2-7-12, a Significant Permit Modification to this permit is hereby approved as described in the attached Technical Support Document.

Please find attached the entire Part 70 Operating Permit as modified. The permit references the below listed attachment(s). Since these attachments have been provided in previously issued approvals for this source, IDEM OAQ has not included a copy of these attachments with this modification:


Attachment D: Fugitive Dust Control Plan

Previously issued approvals for this source containing these attachments are available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

Previously issued approvals for this source are also available via IDEM’s Virtual File Cabinet (VFC). To access VFC, please go to: http://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.


A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. A copy of the application and permit is also available via IDEM’s Virtual File Cabinet (VFC). To access VFC, please go to: http://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria. For additional information about air
permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: https://www.in.gov/idem/airpermit/2400.htm; and the Citizens’ Guide to IDEM on the Internet at: https://www.in.gov/idem/6900.htm.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

If you have any questions regarding this matter, please contact Kelcy Tolliver, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-6679 or (800) 451-6027, and ask for Kelcy Tolliver or (317) 234-6679.

Sincerely,

Josiah K. Balogun, Section Chief
Permits Branch
Office of Air Quality

Attachments: Modified Permit and Technical Support Document

cc: File - Lake County
    Lake County Health Department
    U.S. EPA, Region 5
    Compliance and Enforcement Branch
    IDEM Northwest Regional Office
Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY

The Premcor Pipeline Co. - Hammond Terminal
1020 141st Street
Hammond, Indiana 46327

(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. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 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.

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Attachment C: 40 CFR 63, Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants
(NESHAP) for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants, and
Pipeline Facilities.

Attachment D: Fugitive Dust Control Plan
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 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary petroleum bulk terminal operation.

- **Source Address:** 1020 141st Street, Hammond, Indiana 46327
- **General Source Phone Number:** (210) 345-4057
- **SIC Code:** 5171 (Petroleum Bulk stations and Terminals)
- **County Location:** Lake (North Township)
- **Source Location Status:** Nonattainment for 8-hour ozone standard
- **Source Status:** Part 70 Operating Permit Program

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A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

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

(a) One (1) Tank Truck Loading Operation, identified as LR-1, where gasoline, distillates, denatured ethanol, and other additives are bottom-loaded into transport tank trucks. Displaced hydrocarbon emissions are controlled by a John Zink Carbon Adsorption/ Absorption Vapor Recovery Unit (VRU). The loading operation, installed in 1958, includes three (3) loading bays and has a maximum loading capacity of 72,000 gallons per hour. The VRU was replaced in 2001.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(b) Seven (7) petroleum liquid (gasoline, distillate, other refinery fractions, or denatured ethanol) storage tanks, identified as Storage Tanks No. 2, 3, 5, 6, 7, 8, and 9. The storage tank specifications are as follows:

(1) Storage Tank No. 2 has an internal floating roof with a double wiper seal, constructed in 1957, with a maximum capacity of 2,310,000 gallons.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(2) Storage Tank No. 3 has an internal floating roof with a double wiper seal, constructed in 1957, with a maximum capacity of 2,310,000 gallons.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(3) Storage Tank No. 5 is an open floater tank equipped with a geodesic dome, constructed in 1967, with a maximum capacity of 6,300,000 gallons. The floating roof is equipped with a mechanical shoe seal and a rim mounted wiper secondary seal.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.
(4) Storage Tank No. 6 has an internal floating roof equipped with a mechanical shoe seal and a rim mounted wiper secondary seal, constructed in 1970, with a maximum capacity of 8,400,000 gallons.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(5) Storage Tank No. 7 is an open floater tank equipped with a geodesic dome, constructed in 1970, with a maximum capacity of 8,400,000 gallons. The floating roof is equipped with a mechanical shoe seal and a rim mounted wiper secondary seal.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(6) Storage Tank No. 8 has an internal floating roof with a double wiper seal, was constructed in 1974, with a maximum capacity of 210,000 gallons.

Under 40 CFR 60, Subpart K, this is considered an affected source.
Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(7) Storage Tank No. 9 has a cable-hung aluminum internal floating roof with a single mechanical seal, constructed in 1974, with a maximum capacity of 3,570,000 gallons.

Under 40 CFR 60, Subpart K, this is considered an affected source.
Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(c) One (1) transmix truck loading operation, identified as LOAD-1, approved in 2020 for construction, with a maximum capacity of 35,000 transmix barrels per year, using a carbon canister as control, and exhausting outdoors.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)]

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

(a) Four (4) storage tanks which emit less than one (1) ton per year of a single HAP and less than fifteen (15) pounds per day of VOC. The storage tank specifications are as follows:

(1) Storage Tank No. 1 is a fixed cone roof tank storing distillates, constructed in 1957, with a maximum capacity of 2,310,000 gallons.

(2) Storage Tank No. 12 is a horizontal fixed roof tank storing additives, constructed in 1994, with a maximum capacity of 10,000 gallons.

(3) Storage Tank No. 15 is a horizontal fixed roof tank storing additives, constructed in 1997, with a maximum capacity of 10,000 gallons.

(4) Storage Tank No. 11 for denatured ethanol, has an internal floating roof with a double wiper seal, reconstructed in 2006, with a maximum capacity of 36,804 gallons.

Under 40 CFR 60, Subpart Kb, this is considered an affected source.

(b) Fugitive emissions from transmix equipment leak losses consisting of pumps, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, flanges and other connectors, using no control, and exhausting outdoors.

(c) Paved roads and parking lots with public access. [326 IAC 6-4]
A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).
SECTION B  GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]
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 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

(a) This permit, T 089-42361-00209, 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, including any permit shield provided in 326 IAC 2-7-15, 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 2-7-7][IC 13-17-12]
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 2-7-5(5)]
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 2-7-5(6)(D)]
This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(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. 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 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(35).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

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

Indiana Department of Environmental Management
Compliance and Enforcement 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 5
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(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 2-7-5(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

(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.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, 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.

If, due to circumstances beyond the Permittee’s control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

(c) 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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

(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.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a 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 or Northwest Regional Office 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 and Enforcement Branch), or
   Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
   Facsimile Number: 317-233-6865
   Northwest Regional Office phone: (219) 464-0233; fax: (219) 464-0553.

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 and Enforcement 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 2-7-5(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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 2-7-4(c)(8) 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 2-7 and any other applicable rules.

(g) 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.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced 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 Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to
be false, or in the exercise of reasonable care should have been known to be false, at the
time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

1. The provisions of Section 303 of the Clean Air Act (emergency orders), including
the authority of the U.S. EPA under Section 303 of the Clean Air Act;

2. The liability of the Permittee for any violation of applicable requirements prior to
or at the time of this permit's issuance;

3. The applicable requirements of the acid rain program, consistent with Section
408(a) of the Clean Air Act; and

4. The ability of U.S. EPA to obtain information from the Permittee under Section
114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2)
(Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading
based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until
after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM,
OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T 089-42361-00209 and issued
pursuant to permitting programs approved into the state implementation plan have been
either:

1. incorporated as originally stated,

2. revised under 326 IAC 2-7-10.5, or

3. deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous
registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a
timely and complete renewal application is submitted at least nine (9) months prior to the date of
expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause.
The filing of a request by the Permittee for a Part 70 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 2-7-5(6)(C)] The notification by the Permittee does require a certification that
meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by
326 IAC 2-7-1(35).
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 2-7-9(a)(3)]

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 2-7-9(b)]

The reopening and revision of this permit, under 326 IAC 2-7-9(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 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

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 2-7-4. 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(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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.

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 2-7 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, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.
B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) 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 preconstruction approval required by 326 IAC 2-7-10.5 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
and

United States Environmental Protection Agency, Region 5
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 2-7-20(b)(1) and (c)(1). 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 2-7-20(b)(1) and (c)(1).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is
defined at 326 IAC 2-7-1(37)) without a permit revision, subject to the constraint of
326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the
required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the
change.

The notification which shall be submitted is not considered an application form, report or
compliance certification. Therefore, the notification by the Permittee does not require a
certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as
defined by 326 IAC 2-7-1(35).

(c) Emission Trades [326 IAC 2-7-20(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 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(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 2-7-5(9). No prior notification of IDEM, OAQ or U.S. EPA is required.

(e) 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 2-7-10.5]
A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.
B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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 Part 70 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 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 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 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 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)] [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) Except as provided in 326 IAC 2-7-19(e), 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 2-7-5(3)][326 IAC 2-7-6][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

Emission Limitations and Standards  [326 IAC 2-7-5(1)]

C.1 Opacity  [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 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 twenty percent (20%) 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.2 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.3 Incineration  [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.4 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). 326 IAC 6-4-2(4) is not federally enforceable.

C.5 Fugitive Particulate Matter Emissions  [326 IAC 6.8-10-3]

Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

(a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).

(b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the attached Fugitive Dust Control Plan.

C.6 Asbestos Abatement Projects  [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of
326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:
   
   (A) Asbestos removal or demolition start date;
   
   (B) Removal or demolition contractor; or
   
   (C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(c).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(d).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 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 that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Licensed 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 Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.
Testing Requirements  [326 IAC 2-7-6(1)]

C.7 Performance Testing  [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(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.8 Compliance Requirements [326 IAC 2-1.1-11]

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

Compliance Monitoring Requirements  [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

C.9 Compliance Monitoring  [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)][40 CFR 64][326 IAC 3-8]

(a) For new units:
Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

(b) For existing units:
Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If, due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, 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 and Enforcement 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) For monitoring required by CAM, at all times, the Permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(d) For monitoring required by CAM, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the Permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

C.10 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(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. The analog instrument shall be capable of measuring values outside of the normal range.

(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 2-7-5][326 IAC 2-7-6]

C.11 Risk Management Plan [326 IAC 2-7-5(11)] [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.12 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8][326 IAC 2-7-5][326 IAC 2-7-6]

(I) Upon detecting an excursion where a response step is required by the D Section, or an exceedance of a limitation, not subject to CAM, in this permit:

(a) The Permittee shall take reasonable response steps to 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 excess emissions.
(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned or are returning 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 normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

(II)

(a) CAM Response to excursions or exceedances.

(1) Upon detecting an excursion or exceedance, subject to CAM, the Permittee shall restore operation of the pollutant-specific emissions unit (including the 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. 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). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or 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.

(2) 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, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(b) If the Permittee identifies a failure to achieve compliance with an emission limitation, subject to CAM, or standard, subject to CAM, for which the approved monitoring did not provide an indication of an excursion or exceedance while
providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the Permittee shall promptly notify the IDEM, OAQ and, if necessary, submit a proposed significant permit modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

(c) Based on the results of a determination made under paragraph (II)(a)(2) of this condition, the EPA or IDEM, OAQ may require the Permittee to develop and implement a Quality Improvement Plan (QIP). The Permittee shall develop and implement a QIP if notified to in writing by the EPA or IDEM, OAQ.

(d) Elements of a QIP:
The Permittee shall maintain a written QIP, if required, and have it available for inspection. The plan shall conform to 40 CFR 64.8 b (2).

(e) If a QIP is required, the Permittee shall develop and implement a QIP as expeditiously as practicable and shall notify the IDEM, OAQ if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(f) Following implementation of a QIP, upon any subsequent determination pursuant to paragraph (II)(a)(2) of this condition the EPA or the IDEM, OAQ may require that the Permittee make reasonable changes to the QIP if the QIP is found to have:

1. Failed to address the cause of the control device performance problems;
   or

2. Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(g) Implementation of a QIP shall not excuse the Permittee from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.

(h) CAM recordkeeping requirements.

1. The Permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to paragraph (II)(c) of this condition and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this condition (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

2. Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for
expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(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 submit a description of its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Record Keeping and Reporting Requirements  [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.14 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(33) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.15 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

(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. Support information includes the following, where applicable:

(AA) All calibration and maintenance records.

(BB) All original strip chart recordings for continuous monitoring instrumentation.

(CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following, where applicable:
(AA) The date, place, as defined in this permit, and time of sampling or measurements.

(BB) The dates analyses were performed.

(CC) The company or entity that performed the analyses.

(DD) The analytical techniques or methods used.

(EE) The results of such analyses.

(FF) The operating conditions as existing at the time of sampling or measurement.

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, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.16 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [40 CFR 64] [326 IAC 3-8]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that 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. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

On and after the date by which the Permittee must use monitoring that meets the requirements of 40 CFR Part 64 and 326 IAC 3-8, the Permittee shall submit CAM reports to the IDEM, OAQ.

A report for monitoring under 40 CFR Part 64 and 326 IAC 3-8 shall include, at a minimum, the information required under paragraph (a) of this condition and the following information, as applicable:

(1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

(2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and

(3) A description of the actions taken to implement a QIP during the reporting period as specified in Section C-Response to Excursions or Exceedances. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.
The Permittee may combine the Quarterly Deviation and Compliance Monitoring Report and a report pursuant to 40 CFR 64 and 326 IAC 3-8.

(b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, 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) 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.17 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 applicable standards for recycling and emissions reduction.
SECTION D.1  EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) Tank Truck Loading Operation, identified as LR-1, where gasoline, distillates, denatured ethanol, and other additives are bottom-loaded into transport tank trucks. Displaced hydrocarbon emissions are controlled by a John Zink Carbon Adsorption/Adsorption Vapor Recovery Unit (VRU). The loading operation, installed in 1958, includes three (3) loading bays and has a maximum loading capacity of 72,000 gallons per hour. The VRU was replaced in 2001.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(c) One (1) transmix truck loading operation, identified as LOAD-1, approved in 2020 for construction, with a maximum capacity of 35,000 transmix barrels per year, using a carbon canister as control, and exhausting outdoors.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Hazardous Air Pollutants (HAPs) Minor Limits [326 IAC 20]

In order to render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA), the Permittee shall comply with the following:

(a) The single HAP emissions from the VRU associated with the tank truck loading rack, identified as LR-1, shall not exceed four (4.0) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) The total combined HAP emissions from the VRU associated with the tank truck loading rack, identified as LR-1, shall not exceed thirteen (13.0) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at the source, shall limit the source-wide potential to emit single HAP to less than 10 tons per year and total HAPs to less than 25 tons per year, and shall render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA).

D.1.2 Bulk gasoline terminals [326 IAC 8-4-4]

Pursuant to 326 IAC 8-4-4 (Bulk gasoline terminals):

(a) 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 eighty (80) milligrams per liter (0.6688 lb/kgal) 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.1.3 Leaks From Transports and Vapor Collection Systems [326 IAC 8-4-9]
Pursuant to 326 IAC 8-4-9 (Leaks from transports and vapor collection systems), the source will operate a vapor control system. The requirements are as follows:

(a) This section is applicable to the following:

(1) All vapor balance systems and vapor control systems at sources subject to sections 4 through 6 of this rule.

(2) All gasoline transports subject to section 7 of this rule.

(b) 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 H₂O (eighteen (18) inches H₂O) gauge. The initial vacuum for the vacuum test shall be one hundred fifty (150) millimeters H₂O (six (6) inches H₂O) gauge. The maximum allowable pressure or vacuum change is twenty-five (25) millimeters H₂O (one (1) inch H₂O) in five (5) minutes.

   (B) Conduct the pressure test of the cargo tanks 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 H₂O (eighteen (18) inches H₂O) gauge. Close the transports 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 H₂O (five (5) inches H₂O).

(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).

(c) 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 testers signature, to ensure that gasoline transports loading at its facility comply with subsection (b).

(d) The owner or operator of a vapor balance system or vapor control system subject to this rule shall:

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

(A) 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;

(B) except for sources subject to 40 CFR 60.503(b) (New Source Performance Standards) or 40 CFR 63. 425(a) (NESHAP/MACT) requirements, a reading equal to or greater than twenty-one thousand (21,000) parts per million as propane, from all points on the perimeter of a potential leak source when measured by the method referenced in 40 CFR 60, Appendix A, Method 21, or an equivalent procedure approved by the commissioner during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals; and

(C) avoidable visible liquid leaks during loading or unloading operations at gasoline dispensing facilities, bulk plants, and bulk terminals;

(2) within fifteen (15) days, repair and retest a vapor balance, collection, or control system that exceeds the limits in subdivision (1).

(e) The department may, at any time, monitor a gasoline transport, vapor balance, or vapor control system to confirm continuing compliance with subsection (b) or (c).

(f) The owner or operator of a vapor balance or vapor control system subject to this section shall maintain records of all certification testing. The records shall identify 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.
(g) The owner or operator of the loading facility subject to this section shall keep a legible copy of each gasoline transport's most recent valid annual modified 40 CFR 60, Appendix A, Method 27 test record and validate each gasoline transport's test record prior to each gasoline transport loading event. The test record shall identify the following:

1. The gasoline transport.
2. The type and date of the test and, if applicable, date of retest.
3. The test methods, test data, and results certified as true, accurate, and in compliance with this rule by the person who performs the test.

This test record copy shall be made available immediately upon request to the department. The department shall be allowed to make copies of the test results.

(h) If the commissioner allows alternative test procedures in subsection (a)(1) or (c)(1)(B), such method shall be submitted to the U.S. EPA as a SIP revision.

(i) 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 subsection (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 a New Source Performance Standard.

D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan (PMP) is required for these units and associated control devices. Section B - Preventive Maintenance Plan contains the Permittee’s obligations with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.1.5 Hazardous Air Pollutants (HAPs)

(a) In order to comply with Conditions D.1.1 and D.1.2, the vapor recovery unit (VRU) for the loading rack VOC and HAPs control shall be in operation and control emissions from the loading of tank trucks at all times when tank trucks are being loaded.

(b) Compliance with the HAP emission limitations required in Condition D.1.1 shall be determined by preparing or obtaining from the manufacturer the copies of the HAP data sheets or using ASTM Method of Sampling and Analysis or an equivalent method.

(c) To determine compliance status with Condition D.1.1, the following equation shall be utilized to calculate the HAP emissions:

\[ E_{sh} = \sum_{i=1}^{n} (C_i \times VOC \times \frac{1}{2000}) \]

Where:
\[ E_{sh} = \text{single HAP emitted, for each volatile organic liquid (VOL) loaded into loading rack,} \]
tons/month 
\[ i = 1 \text{ to } n \]
\[ n = \text{number of volatile organic liquid (VOL) type loaded into loading rack (gasoline, distillates, denatured ethanol)} \]
\[ C_i = \text{HAP content for each volatile organic liquid (VOL) (i) (gasoline, distillates, denatured ethanol)} \]
\[ \text{VOC} = \text{loading rack VOC emitted in a month for each volatile organic liquid (VOL) loaded into loading rack} \]

(2) Combined HAP emissions compliance equation:

\[ E_{ch} = E_{c_{\text{gas}}} + E_{c_{\text{ethanol}}} + E_{c_{\text{dist}}} \]

Where:

\[ E_{ch} = \text{combined HAPs emissions, tons/month} \]
\[ E_{c_{\text{gas}}} = \text{gasoline combined HAPs emitted, tons/month} \]
\[ E_{c_{\text{ethanol}}} = \text{ethanol combined HAPs emitted, tons/month} \]
\[ E_{c_{\text{dist}}} = \text{distillates combined HAPs emitted, tons/month} \]

D.1.6 Testing Requirements [326 IAC 2-7-6(1)]

In order to determine compliance with Condition D.1.2(a)(1)(A), the Permittee shall perform VOC testing of the vapor recovery unit (VRU), utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C.6 - Performance Testing contains the Permittee’s obligations with regard to the performance testing required by this condition.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.1.7 Monitoring [40 CFR 64]

(a) When operating the VRU to control VOC emissions, the Permittee shall perform a daily inspection of the VRU on days when the terminal is operating. The inspection shall be conducted while gasoline is being loaded and shall be of a duration encompassing at least one full regeneration cycle of the VRU. The parameters on the Permittee’s Compliance Assurance Monitoring (CAM) plan shall be observed.

Corrective actions shall be implemented when the regeneration cycle of the VRU exceeds fifteen (15) minutes, carbon bed temperature exceeds one hundred twenty degrees (120°F), or carbon bed vacuum is not in the range between twenty-seven and twenty-eight (27" - 28") inches of mercury for any one (1) reading. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.8 Record Keeping Requirement

(a) To document the compliance status with Condition D.1.3(a), the owner or operator of a vapor balance or vapor control system subject to this section shall maintain records of all compliance testing. The records shall identify 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.

(b) To document the compliance status with Condition D.1.3(g), the owner or operator of the loading facility subject to this section shall keep a legible copy of each gasoline transport's most recent valid annual modified 40 CFR 60, Appendix A, Method 27 test record and records that validate each gasoline transport's Method 27 test record prior to each gasoline transport loading event. The test record shall identify the following:

(1) The gasoline transport.

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

(3) The test methods, test data, and results certified as true, accurate, and in compliance with this rule by the person who performs the test.

This test record copy shall be made available immediately upon request to the department. The department shall be allowed to make copies of the test results.

(c) To document the compliance status with Condition D.1.7(a), the Permittee shall maintain records of the following operation parameters of the carbon adsorber vapor recovery unit:

(1) carbon bed temperature;

(2) carbon bed regeneration cycle time; and

(2) carbon bed vacuum pressure.

(d) To document the compliance status with Condition D.1.1, the Permittee shall maintain records of the following:

(1) Amount of each type of VOL loaded into the loading rack in gallons per month.

(2) Single HAPs monthly calculated emissions for each type of VOL loaded into the loading rack.

(3) Combined total HAPs monthly calculated emissions from all types of VOL loaded into the loading rack.

(e) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.9 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.1.1(a) and D.1.1(b) shall be submitted using the reporting forms located at the end of this permit or their equivalent, not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1(35).
### EMISSIONS UNIT OPERATION CONDITIONS

#### Emissions Unit Description:

(b) Seven (7) petroleum liquid (gasoline, distillate, other refinery fractions, or denatured ethanol) storage tanks, identified as Storage Tanks No. 2, 3, 5, 6, 7, 8, and 9. The storage tanks specifications are as follows:

1. **Storage Tank No. 2** has an internal floating roof with a double wiper seal, constructed in 1957, with a maximum capacity of 2,310,000 gallons.
   
   Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

2. **Storage Tank No. 3** has an internal floating roof with a double wiper seal, constructed in 1957, with a maximum capacity of 2,310,000 gallons.
   
   Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

3. **Storage Tank No. 5** is an open floater tank equipped with a geodesic dome, constructed in 1967, with a maximum capacity of 6,300,000 gallons. The floating roof is equipped with a mechanical shoe seal and a rim mounted wiper secondary seal.
   
   Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

4. **Storage Tank No. 6** has an internal floating roof equipped with a mechanical shoe seal and a rim mounted wiper secondary seal, constructed in 1970, with a maximum capacity of 8,400,000 gallons.
   
   Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

5. **Storage Tank No. 7** is an open floater tank equipped with a geodesic dome, constructed in 1970, with a maximum capacity of 8,400,000 gallons. The floating roof is equipped with a mechanical shoe seal and a rim mounted wiper secondary seal.
   
   Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

6. **Storage Tank No. 8** has an internal floating roof with a double wiper seal, was constructed in 1974, with a maximum capacity of 210,000 gallons.
   
   Under 40 CFR 60, Subpart K, this is considered an affected source.
   Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

7. **Storage Tank No. 9** has a cable-hung aluminum internal floating roof with a single mechanical seal, constructed in 1974, with a maximum capacity of 3,570,000 gallons.
   
   Under 40 CFR 60, Subpart K, this is considered an affected source.
   Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

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

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### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.2.1 Storage Vessels [326 IAC 8-9-4]

Pursuant to 326 IAC 8-9-4(b), Storage Tanks No. 2, 3, 5, 6, 7, 8, and 9 shall not store a volatile
organic liquid (VOL) with a vapor pressure greater than or equal to eleven and one-tenth (11.1) psia as stored.

D.2.2 Storage Vessels [326 IAC 8-4-3(b)]

Pursuant to 326 IAC 8-4-3(b), no owner or operator of Storage Tanks No. 2, 3, 5, 6, 7, 8, and 9 shall permit the use of such facility unless:

(a) The facility has been retrofitted with an internal floating roof equipped with a closure seal, or seals, to close the space between the roof edge and tank wall unless the source has been retrofitted with equally effective alternative control which has been approved.

(b) The facility is maintained such that there are no visible holes, tears, or other openings in the seal or any seal fabric or materials.

(c) All openings, except stub drains, are equipped with covers, lids, or seals such that:

(1) The cover, lid, or seal is in the closed position at all times except when in actual use;

(2) Automatic bleeder vents are closed at all times except when the roof is floated off or landed on the roof leg supports;

(3) Rim vents, if provided, are set to open when the roof is being floated off the roof leg supports or at the manufacturer’s recommended setting.

D.2.3 Storage Vessels [326 IAC 8-9-4(c)]

Pursuant to 326 IAC 8-9-4(c), Storage Tanks No. 2, 3, 5, 6, 7, 8, and 9 shall be equipped with a fixed roof in combination with an internal floating roof meeting the following:

(a) The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof.

(b) The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage tank is completely emptied and refilled.

(c) When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.

(d) Each internal floating roof shall be equipped with one (1) of the following closure devices between the wall of the vessel and the edge of the internal floating roof:

(1) A foam or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal).

(2) Two (2) seals mounted one (1) above the other so that each forms a continuous closure that completely covers the space between the wall of the vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.

(3) A mechanical shoe seal that consists of a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric, or envelope, spans the annular space between the metal sheet and the floating roof.
(e) The facility is maintained such that there are no visible holes, tears, or other openings in the seal or any seal fabric or materials.

(f) Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.

(g) Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e.; no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.

(h) Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.

(i) Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.

(j) Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.

(k) Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.

(l) Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

D.2.4 Preventive Maintenance Plan [326 IAC 2-7-(13)]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.2.5 Monitoring

Pursuant to 326 IAC 8-9-5(b), the owner or operator of Storage Tanks No. 2, 3, 5, 6, 7, 8, and 9 shall:

(a) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to the filling of the storage vessel with a volatile organic liquid (VOL). If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the Permittee shall repair the items before filling the storage vessel.

(b) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every twelve (12) months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the Permittee shall repair the items or empty and remove the storage vessel from service within forty-five (45) days. If a failure that is detected in this paragraph cannot be repaired within forty-five (45) days.
and if the vessel cannot be emptied within forty-five (45) days, a 30-day extension may be requested from IDEM, OAQ in the inspection report required in 326 IAC 8-9-6(c)(3). Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions that the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

(c) Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), gaskets, slotted membranes, and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than ten (10) percent open area, the Permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than ten (10) years.

(d) Notify IDEM, OAQ in writing at least thirty (30) days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraph (a) and (c) of this section to afford IDEM, OAQ the opportunity to have an observer present. If the inspection required by (c) of this section is not planned and the Permittee could not have known about the inspection thirty (30) days in advance of refilling the tank, the Permittee shall notify IDEM, OAQ at least seven (7) days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the IDEM, OAQ at least seven (7) days prior to refilling.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.6 Record Keeping Requirement

(a) To document the compliance status with Condition D.2.3, the Permittee of Storage Tanks No. 2, 3, 5, 6, 7, 8, and 9 shall maintain records of each vessel including the vessel identification number, dimensions, capacity, and a description of the emission control equipment. These records shall be maintained for the life of the vessel.

(b) To document the compliance status with Condition D.2.5, a record of each inspection performed shall be maintained and shall identify the following:

(1) The vessel identification number

(2) The date of the inspection

(3) The observed condition of the seal, internal floating roof, and fittings.

(c) Pursuant to 326 IAC 8-4-3(d), the Permittee shall maintain a record of the petroleum liquid or VOL stored in Storage Tanks No. 2, 3, 5, 6, 7, 8, and 9, the period of storage, the maximum true vapor pressure of that liquid as stored, and the results of the inspections performed on the storage vessels.

(d) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligation with regards to the records required by this condition.
D.2.7 Reporting Requirement

A report of any defects (the internal floating roof is not resting on the surface of the VOL, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric) discovered during the annual inspection required in Condition D.2.5 shall be furnished to the IDEM, OAQ not later than thirty (30) days of the inspection. The report shall identify the vessel identification number, the nature of the defects, and the date the vessel was emptied or the nature of and date the repair was made.
### EMISSIONS UNIT OPERATION CONDITIONS

#### Emissions Unit Description:

(a) Storage tanks which emit less than one (1) ton per year of a single HAP and less than fifteen (15) pounds per day of VOC. The storage tank specifications are as follows:

1. Storage Tank No. 1 is a fixed cone roof tank storing distillates, constructed in 1957, with a maximum capacity of 2,310,000 gallons.
2. Storage Tank No. 12 is a horizontal fixed roof tank storing additives, constructed in 1994, with a maximum capacity of 10,000 gallons.
3. Storage Tank No. 15 is a horizontal fixed roof tank storing additives, constructed in 1997, with a maximum capacity of 10,000 gallons.

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

#### Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Preventive Maintenance Plan [326 IAC 2-7-(13)]

A Preventive Maintenance Plan is required for these facilities and their control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

#### Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.2 Record Keeping Requirements

(a) In accordance with 326 IAC 8-9-6(b), the owner or operator of Storage Tanks No. 12 and 15 shall maintain records of each vessel including the vessel identification number, dimensions, capacity, and a description of the emission control equipment. These records shall be maintained for the life of the vessel.

(b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligation with regards to the records required by this condition.

D.3.3 Reporting Requirements

In accordance with 326 IAC 8-9-6(h), the owner or operator of Storage Tank No. 1 shall maintain a record and notify the IDEM, OAQ within thirty (30) days when the maximum true vapor pressure of the liquid exceeds seventy-five hundredths (0.75) psia.
Emissions Unit Description:

(6) Storage Tank No. 8 has an internal floating roof with a double wiper seal, was constructed in 1974, with a maximum capacity of 210,000 gallons.

Under 40 CFR 60, Subpart K, this is considered an affected source.

(7) Storage Tank No. 9 has a cable-hung aluminum internal floating roof with a single mechanical seal, constructed in 1974, with a maximum capacity of 3,570,000 gallons.

Under 40 CFR 60, Subpart K, this is considered an affected source.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to New Source Performance Standards [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, for the emission units listed above, except as otherwise specified in 40 CFR Part 60, Subpart K.

(b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

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


The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart K (included as Attachment A to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission units listed above:

(1) 40 CFR 60.110
(2) 40 CFR 60.111
(3) 40 CFR 60.112
(4) 40 CFR 60.113
SECTION E.2  NSPS

Emissions Unit Description:

(4) Storage Tank No. 11 for denatured ethanol, has an internal floating roof with a double wiper seal, reconstructed in 2006, with a maximum capacity of 36,804 gallons.

Under 40 CFR 60, Subpart Kb, this is considered an affected source.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.2.1 General Provisions Relating to New Source Performance Standards [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, for the emission unit listed above, except as otherwise specified in 40 CFR Part 60, Subpart Kb.

(b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

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

E.2.2 Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, reconstruction, or modification commenced after July 23, 1984 [326 IAC 12] [40 CFR Part 60, Subpart Kb]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart Kb (included as Attachment B to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission unit listed above:

(1) 40 CFR 60.110b
(2) 40 CFR 60.111b
(3) 40 CFR 60.112b
(4) 40 CFR 60.113b
(5) 40 CFR 60.114b
(6) 40 CFR 60.115b
(7) 40 CFR 60.116b
(8) 40 CFR 60.117b

E.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan (PMP) is required for this unit and its control device. Section B - Preventive Maintenance Plan contains the Permittee's obligations with regard to the preventive maintenance plan required by this condition.
Emissions Unit Description:

(a) One (1) Tank Truck Loading Operation, identified as LR-1, where gasoline, distillates, denatured ethanol, and other additives are bottom-loaded into transport tank trucks. Displaced hydrocarbon emissions are controlled by a John Zink Carbon Adsorption/Absorption Vapor Recovery Unit (VRU). The loading operation, installed in 1958, includes three (3) loading bays and has a maximum loading capacity of 72,000 gallons per hour. The VRU was replaced in 2001.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(b) Seven (7) petroleum liquid (gasoline, distillate, other refinery fractions, or denatured ethanol) storage tanks, identified as Storage Tanks No. 2, 3, 5, 6, 7, 8, and 9. The storage tank specifications are as follows:

(1) Storage Tank No. 2 has an internal floating roof with a double wiper seal, constructed in 1957, with a maximum capacity of 2,310,000 gallons.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(2) Storage Tank No. 3 has an internal floating roof with a double wiper seal, constructed in 1957, with a maximum capacity of 2,310,000 gallons.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(3) Storage Tank No. 5 is an open floater tank equipped with a geodesic dome, constructed in 1967, with a maximum capacity of 6,300,000 gallons. The floating roof is equipped with a mechanical shoe seal and a rim mounted wiper secondary seal.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(4) Storage Tank No. 6 has an internal floating roof equipped with a mechanical shoe seal and a rim mounted wiper secondary seal, constructed in 1970, with a maximum capacity of 8,400,000 gallons.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(5) Storage Tank No. 7 is an open floater tank equipped with a geodesic dome, constructed in 1970, with a maximum capacity of 8,400,000 gallons. The floating roof is equipped with a mechanical shoe seal and a rim mounted wiper secondary seal.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(6) Storage Tank No. 8 has an internal floating roof with a double wiper seal, was constructed in 1974, with a maximum capacity of 210,000 gallons.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.

(7) Storage Tank No. 9 has a cable-hung aluminum internal floating roof with a single mechanical seal, constructed in 1974, with a maximum capacity of 3,570,000 gallons.

Under 40 CFR 63, Subpart BBBBBB, this is considered an affected source.
National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements
[326 IAC 2-7-5(1)]


(a) Pursuant to 40 CFR 63.1 the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1, for the emission units listed above, except as otherwise specified in 40 CFR Part 63, Subpart BBBBBB.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

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

E.3.2 Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities NESHAP [40 CFR Part 63, Subpart BBBBBB]

The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart BBBBBB (included as Attachment C to the operating permit), for the emission units listed above:

1. 40 CFR 63.11087
2. 40 CFR 63.11088
3. 40 CFR 63.11089
4. 40 CFR 63.11092(a)(1)-(a)(3)
5. 40 CFR 63.11092(b)(1)(i)
6. 40 CFR 63.11092(b)(3)-(b)(5)
7. 40 CFR 63.11092(c)-(d)
8. 40 CFR 63.11092(e)(1)
9. 40 CFR 63.11093
10. 40 CFR 63.11094
11. 40 CFR 63.11095(a)-(b)
12. Table 1 to Subpart BBBBBB (applicable portions)
13. Table 2 to Subpart BBBBBB (applicable portions)
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

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☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
  Deviation has been reported on:

Submitted by: ________________________________
Title / Position: ________________________________
Signature: ________________________________
Date: ________________________________
Phone: ________________________________
Part 70 Quarterly Report

Source Name: The Premcor Pipeline Co. - Hammond Terminal
Source Address: 1020 141st Street, Hammond, Indiana 46327
Part 70 Permit No.: T 089-42361-00209
Facility: Tank Truck Loading Operation, identified as LR-1.
Parameter: Total HAPs
Limit: Shall not exceed thirteen (13.0) tons per twelve (12) consecutive month period with compliance determined at the end of each month

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

Submitted by: __________________________
Title / Position: _______________________
Signature: _____________________________
Date: _________________________________
Phone: _______________________________
This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify) __________________________________________________________

☐ Report (specify) _____________________________________________________________

☐ Notification (specify) _________________________________________________________

☐ Affidavit (specify) ___________________________________________________________

☐ Other (specify) ______________________________________________________________

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

Signature:  
Printed Name:  
Title/Position:  
Phone:  
Date:
PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: The Premcor Pipeline Co. - Hammond Terminal
Source Address: 1020 141st Street, Hammond, Indiana 46327
Part 70 Permit No.: T 089-42361-00209

This form consists of 2 pages

☐ 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) daytime 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

| Date/Time Emergency started: |
| Date/Time Emergency was corrected: |
| Was the facility being properly operated at the time of the emergency? | Y | N |

### Type of Pollutants Emitted: TSP, PM-10, SO\textsubscript{2}, VOC, NO\textsubscript{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: ___________________________________________________________
This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B - Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, 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".

<table>
<thead>
<tr>
<th>Permit Requirement (specify permit condition #)</th>
<th>Date of Deviation</th>
<th>Duration of Deviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Deviations:</td>
<td></td>
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</tr>
<tr>
<td>Probable Cause of Deviation:</td>
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<tr>
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<td></td>
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</tr>
<tr>
<td>Response Steps Taken:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Form Completed by: _______________________________________________________
Title / Position: ___________________________________________________________
Date: ___________________________________________________________________
Phone: _________________________________________________________________
Indiana Department of Environmental Management  
Office of Air Quality  
Technical Support Document (TSD) for a Part 70 Minor Source Modification and Significant Permit Modification  

Source Description and Location  

<table>
<thead>
<tr>
<th>Source Name:</th>
<th>The Premcor Pipeline Co. - Hammond Terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source Location:</td>
<td>1020 141st Street, Hammond, Indiana 46327</td>
</tr>
<tr>
<td>County:</td>
<td>Lake (North Township)</td>
</tr>
<tr>
<td>SIC Code:</td>
<td>5171 (Petroleum Bulk Stations and Terminals)</td>
</tr>
<tr>
<td>Operation Permit No.:</td>
<td>T 089-42361-00209</td>
</tr>
<tr>
<td>Operation Permit Issuance Date:</td>
<td>June 1, 2020</td>
</tr>
<tr>
<td>Minor Source Modification No.:</td>
<td>089-43496-00209</td>
</tr>
<tr>
<td>Significant Permit Modification No.:</td>
<td>089-43511-00209</td>
</tr>
<tr>
<td>Permit Reviewer:</td>
<td>Kelcy Tolliver</td>
</tr>
</tbody>
</table>

Existing Approvals  
The source was issued Part 70 Operating Permit Renewal No. 089-42361-00209 on June 1, 2020. There have been no subsequent approvals issued.

County Attainment Status  
The source is located in Lake County.

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO₂</td>
<td>Better than national standards.</td>
</tr>
<tr>
<td>CO</td>
<td>Attainment effective February 18, 2000, for the part of the city of East Chicago bounded by Columbus Drive on the north; the Indiana Harbor Canal on the west; 148th Street, if extended, on the south; and Euclid Avenue on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of East Chicago and Lake County.</td>
</tr>
<tr>
<td>O₃</td>
<td>Serious nonattainment effective September 23, 2019, for the 2008 8-hour ozone standard.</td>
</tr>
<tr>
<td>O₃</td>
<td>Marginal nonattainment effective August 3, 2018, for the 2015 8-hour ozone standard for Calumet Township, Hobart Township, North Township, Ross Township, and St. John Township. Unclassifiable or attainment effective August 3, 2018, for the 2015 8-hour ozone standard for the remainder of the county.</td>
</tr>
<tr>
<td>PM₂.₅</td>
<td>Unclassifiable or attainment effective April 15, 2015, for the 2012 annual PM₂.₅ standard.</td>
</tr>
<tr>
<td>PM₂.₅</td>
<td>Unclassifiable or attainment effective December 13, 2009, for the 2006 24-hour PM₂.₅ standard.</td>
</tr>
<tr>
<td>PM₁₀</td>
<td>Attainment effective March 11, 2003, for the cities of East Chicago, Hammond, Whiting, and Gary. Unclassifiable effective November 15, 1990, for the remainder of Lake County.</td>
</tr>
<tr>
<td>NO₂</td>
<td>Unclassifiable or attainment effective January 29, 2012, for the 2010 NO₂ standard.</td>
</tr>
<tr>
<td>Pb</td>
<td>Unclassifiable or attainment effective December 31, 2011, for the 2008 lead standard.</td>
</tr>
</tbody>
</table>

(a) Ozone Standards  
U.S. EPA, in the Federal Register Notice 84 FR 44238 dated August 23, 2019, designated Lake County as serious nonattainment for the 2008 8-hour ozone standard effective September 23, 2019. A rulemaking is in process to revise the 326 IAC 1-4 attainment status designations for the 2008 8-hour ozone standard for Lake and Porter County. The OAQ will rely on the serious nonattainment designation under 40 CFR 81.315 until the rulemaking for 326 IAC 1-4 is effective. Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards.
Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Therefore, VOC and NOx emissions were evaluated pursuant to the requirements of Emission Offset, 326 IAC 2-3.

(b) PM$_{2.5}$
Lake County has been classified as attainment for PM$_{2.5}$. Therefore, direct PM$_{2.5}$, SO$_2$, and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

c) Other Criteria Pollutants
Lake County has been classified as attainment or unclassifiable in Indiana for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

### Fugitive Emissions

Since this source is classified as a "petroleum storage and transfer units with a total storage capacity exceeding three hundred thousand (300,000) barrels", it is considered one (1) of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1), 326 IAC 2-3-2(g), or 326 IAC 2-7-1(22)(B). Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

The fugitive emissions of hazardous air pollutants (HAP) are counted toward the determination of Part 70 Permit applicability and source status under Section 112 of the Clean Air Act (CAA).

### Greenhouse Gas (GHG) Emissions

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at [http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf](http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf)) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court’s decision. U.S. EPA’s guidance states that U.S. EPA will no longer require PSD or Title V permits for sources “previously classified as ‘Major’ based solely on greenhouse gas emissions.”

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

### Source Status - Existing Source

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

<table>
<thead>
<tr>
<th>Source-Wide Emissions Prior to Modification (ton/year)</th>
<th>PM$_1$</th>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$</th>
<th>SO$_2$</th>
<th>NOx</th>
<th>VOC</th>
<th>CO</th>
<th>Single HAP$^3$</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total PTE of Entire Source Including Fugitives*</td>
<td>3.20</td>
<td>0.64</td>
<td>0.16</td>
<td>-</td>
<td>-</td>
<td>253.21</td>
<td>-</td>
<td>9.83</td>
<td>24.86</td>
</tr>
</tbody>
</table>
### Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed an application, submitted by The Premcor Pipeline Co. - Hammond Terminal on November 23, 2020, relating to the addition of one (1) new transmix truck loading operation with associated fugitive piping components and haul roads. This modification will also involve changing the existing HAPs limit in order for the source to remain an area source of HAPs.

The following is a list of the new emission units and pollution control device(s):

(a) One (1) transmix truck loading operation, identified as LOAD-1, approved in 2020 for construction, with a maximum capacity of 35,000 transmix barrels per year, using a carbon canister as control, and exhausting outdoors.

(b) Fugitive emissions from transmix equipment leak losses consisting of pumps, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, flanges and other connectors, using no control, and exhausting outdoors.

(c) Paved and unpaved haul roads [326 IAC 6-4].

### Enforcement Issues

There are no pending enforcement actions related to this modification.

### Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.
Permit Level Determination – Part 70 Modification to an Existing Source

Pursuant to 326 IAC 2-1.1-1(12), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

<table>
<thead>
<tr>
<th>Process / Emission Unit</th>
<th>PM</th>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$</th>
<th>SO$_2$</th>
<th>NO$_x$</th>
<th>VOC</th>
<th>CO</th>
<th>Single HAP$^2$</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmix Loading Rack</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>6.48</td>
<td>-</td>
<td>0.09</td>
<td>0.20</td>
<td></td>
</tr>
<tr>
<td>Transmix Fugitives</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.008</td>
<td>-</td>
<td>1.1E-4</td>
<td>2.5E-4</td>
<td></td>
</tr>
<tr>
<td>Transmix Fugal Haul Roads</td>
<td>0.17</td>
<td>0.05</td>
<td>4.6E-3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Total PTE Before Controls of the New Emission Units:</td>
<td>0.17</td>
<td>0.05</td>
<td>4.6E-3</td>
<td>-</td>
<td>-</td>
<td>6.48</td>
<td>-</td>
<td>0.09</td>
<td>0.20</td>
</tr>
</tbody>
</table>

$^1$PM$_{2.5}$ listed is direct PM$_{2.5}$.

$^2$Single highest HAP is hexane.

Appendix A of this TSD reflects the detailed potential emissions of the modification.

(a) Approval to Construct

Pursuant to 326 IAC 2-7-10.5(e)(2)(A), a Minor Source Modification is required because this existing source in Lake County has the potential to emit VOC that is twenty-five (25) tons per year or more and the modification results in an increase of VOC that is equal to or greater than fifteen (15) pounds per day.

(b) Approval to Operate

Pursuant to 326 IAC 2-7-12(d)(1), this change to the permit is being made through a Significant Permit Modification because this modification does not qualify as a Minor Permit Modification or as an Administrative Amendment.

Permit Level Determination – Emission Offset Emissions Increase

U.S. EPA has reclassified Lake and Porter Counties from "Moderate" nonattainment to "Serious" nonattainment for the 2008 Ozone National Ambient Air Quality Standards (NAAQS) effective September 23, 2019 (84 FR 44238). The table below addresses the modification to determine if it is subject to Emission Offset or if it is de minimis under 326 IAC 2-3.

<table>
<thead>
<tr>
<th>Process / Emission Unit</th>
<th>NO$_x$</th>
<th>VOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmix Loading Rack</td>
<td>-</td>
<td>6.48</td>
</tr>
<tr>
<td>Transmix Fugitives</td>
<td>-</td>
<td>0.008</td>
</tr>
<tr>
<td>Transmix Haul Roads</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
This modification to an existing major Emission Offset source emits VOC above “zero”. Therefore, this
modification triggered de minimis test where emissions from the proposed modification are aggregated on
a pollutant specific basis with all other net emissions increases from the source over a five (5)
consecutive calendar year period prior to, and including, the year of the modification.

5 calendar year is between calendar year 2016-2020.

**De Minimis Test**

Lake County was designated as a serious nonattainment area for the 2008 ozone National Ambient Air
Quality Standards (NAAQS), effective September 23, 2019. Since The Premcor Pipeline Co. - Hammond
Terminal is located in Lake County and the proposed modification emits VOC above “zero” it will be
evaluated to determine whether it is a minor modification under 326 IAC 2-3 by determining if the VOC
emissions increase is de minimis, as defined by 326 IAC 2-3-1(p). “De minimis” means an increase that
does not exceed twenty-five (25) tons per year when the net emissions increases from the proposed
modification are aggregated on a pollutant specific basis with all other net emissions increases from the
source over a five (5) consecutive calendar year period prior to, and including, the year of the modification.

<table>
<thead>
<tr>
<th>Calendar Year</th>
<th>Project</th>
<th>Baseline Actual</th>
<th>Potential Emissions (tons/year)</th>
<th>Net Emissions Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-2018</td>
<td>None</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2019</td>
<td>Temporary Frac Tank</td>
<td>-</td>
<td>3.49</td>
<td>3.49</td>
</tr>
<tr>
<td>2019</td>
<td>Temporary Frac Tank Removal*</td>
<td>3.49</td>
<td>-3.49</td>
<td>0.00</td>
</tr>
<tr>
<td>2020</td>
<td>Proposed Transmix Loading Rack, Fugitives, and Haul Roads</td>
<td>-</td>
<td>6.48</td>
<td>6.48</td>
</tr>
</tbody>
</table>

Total Net Emission Increase: 6.48

Pursuant to 326 IAC 2-3-1(y), this modification to an existing major stationary source is not major
because VOC net emissions increase are less than the significant emission rate (SER) of 25 tons per
year in serious nonattainment area, which are de minimis as defined in 326 IAC 2-3-1(p). Therefore,
pursuant to 326 IAC 2-3, Emission Offset requirements do not apply.
The source opted to take limit(s) in order to render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA). See Technical Support Document (TSD) State Rule Applicability - Entire Source section, 326 IAC 20 (Hazardous Air Pollutants) for more information regarding the limit(s).

(a) This existing minor PSD stationary source will continue to be minor under 326 IAC 2-2 because the emissions of each PSD regulated pollutant will continue to be less than the PSD major source thresholds.

(b) This existing major Emission Offset stationary source will continue to be major under 326 IAC 2-3 because the emissions of the nonattainment pollutant(s), VOC, will continue to be equal to or greater than the Emission Offset major source threshold.

(c) This existing area source of HAP will continue to be an area source of HAP, as defined in 40 CFR 63.2, because HAP emissions will continue to be less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Federal Rule Applicability Determination

Due to the modification at this source, federal rule applicability has been reviewed as follows:
New Source Performance Standards (NSPS):

(a) The requirements of the New Source Performance Standard for Bulk Gasoline Terminals, 40 CFR 60, Subpart XX and 326 IAC 12, are not included in the permit for the transmix loading rack, because the transmix does not meet the definition of gasoline under §60.501 since it is not used as a fuel for internal combustion engines.

(b) There are no other New Source Performance Standards (40 CFR Part 60) and 326 IAC 12 included in the permit for this proposed modification.

National Emission Standards for Hazardous Air Pollutants (NESHAP):

(a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Organic Liquids Distribution (Non-Gasoline), 40 CFR 63, Subpart EEEE and 326 IAC 20-83 are not included in the permit for the transmix loading rack, since the source is not a major source of HAPs.

(b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities, 40 CFR 63, Subpart BBBBBBBB are not included in the permit for the transmix loading rack, since the transmix loading rack is not a gasoline loading rack.

(c) There are no other National Emission Standards for Hazardous Air Pollutants under 40 CFR 63, 326 IAC 14 and 326 IAC 20 included for this proposed modification.

Compliance Assurance Monitoring (CAM):

(a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each pollutant-specific emission unit that meets the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the regulated pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant (or a surrogate thereof); and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

(b) Pursuant to 40 CFR 64.2(b)(1)(i), emission limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act are exempt from the requirements of CAM. Therefore, an evaluation was not conducted for any emission limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act.

Based on this evaluation, the requirements of 40 CFR Part 64, CAM, are not applicable to any of the new units as part of this modification.

State Rule Applicability - Entire Source

Due to this modification, state rule applicability has been reviewed as follows:

326 IAC 2-3 (Emission Offset)

This existing stationary petroleum bulk terminal source, located in Lake County, is one of the twenty-eight (28) listed source categories. This source is a major source under 326 IAC 2-3 (Emission Offset) because
the potential to emit VOC is greater than 50 tons per year. Therefore, the requirements of 326 IAC 2-3 (Emission Offset) are applicable to this source.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The provisions of 326 IAC 2-4.1 apply to any owner or operator who constructs or reconstructs a major source of hazardous air pollutants (HAP), as defined in 40 CFR 63.41, after July 27, 1997, unless the major source has been specifically regulated under or exempted from regulation under a NESHAP that was issued pursuant to Section 112(d), 112(h), or 112(j) of the Clean Air Act (CAA) and incorporated under 40 CFR 63. On and after June 29, 1998, 326 IAC 2-4.1 is intended to implement the requirements of Section 112(g)(2)(B) of the Clean Air Act (CAA).

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

326 IAC 2-7-6(5) (Annual Compliance Certification)
The U.S. EPA Federal Register 79 FR 54978 notice does not exempt Title V Permittees from the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D), but the submittal of the Title V annual compliance certification to IDEM satisfies the requirement to submit the Title V annual compliance certifications to EPA. IDEM does not intend to revise any permits since the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D) still apply, but Permittees can note on their Title V annual compliance certifications that submission to IDEM has satisfied reporting to EPA per Federal Register 79 FR 54978. This only applies to Title V Permittees and Title V compliance certifications.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source 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.

326 IAC 6.8 (Particulate Matter Limitations for Lake County)
This source (located in Lake County) is not one of the sources specifically listed in 326 IAC 6.8-4, 326 IAC 6.8-5, or 326 IAC 6.8-8 through 326 IAC 6.8-11. The source-wide unlimited PTE of PM is less than 10 tons per year; therefore, the source-wide actual emissions of PM are less than 10 tons per year. This source is not subject to the requirements of 326 IAC 6.8-1-2 because the source-wide PTE of PM is less than 100 tons per year and source-wide actual emissions of PM are less than 10 tons per year.

326 IAC 6.8-10 (Lake County: Fugitive Particulate Matter)
This source (located in Lake County) is not one of the sources specifically listed in 326 IAC 6.8-10-1(2)(A) through (V). The source-wide unlimited PTE of fugitive PM is 5 tons per year or more Therefore, this source is subject to the requirements of 326 IAC 6.8-10.

326 IAC 20 (Hazardous Air Pollutants)
This existing stationary petroleum bulk terminal source, located in Lake County, is an area source of HAPs. The current total combined HAP limit and single HAP limit are being adjusted as part of this minor source modification in order for the source to remain an area source of HAPs. The new HAP limitations are below:

In order to render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA), the Permittee shall comply with the following:

(a) The single HAP emissions from the VRU associated with the tank truck loading rack, identified as LR-1, shall not exceed four (4.0) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) The total combined HAP emissions from the VRU associated with the tank truck loading rack, identified as LR-1, shall not exceed thirteen (13.0) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
Compliance with these limits, combined with the potential to emit HAP from all other emission units at the source, shall limit the source-wide potential to emit single HAP to less than 10 tons per year and the source-wide potential to emit total HAPs to less than 25 tons per year, and shall render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA).

State Rule Applicability – Individual Facilities

Due to this modification, state rule applicability has been reviewed as follows:

Transmix Loading Rack

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The transmix loading rack is not subject to the requirements of 326 IAC 8-1-6 because it is regulated by other rules in 326 IAC 8. The emission unit is subject to the requirements of 326 IAC 8-4-4 (Bulk Gasoline Terminals).

326 IAC 8-4-4 (Bulk Gasoline Terminals)
The transmix loading rack is subject to the requirements of 326 IAC 8-4-4 because it is a bulk gasoline terminal that was constructed after January 1, 1980.

326 IAC 8-4-6 (Gasoline Dispensing Facilities)
The transmix loading rack is not subject to the requirements of 326 IAC 8-4-6 because it does not meet the definition of a gasoline dispensing facility under 326 IAC 8-4-6(a)(8).

326 IAC 8-4-7 (Gasoline Transports)
The transmix loading rack is not subject to the requirements of 326 IAC 8-4-7 because the source does not own or operate any tanker trucks associated with gasoline transports.

326 IAC 8-4-9 (Leaks from Transports and Vapor Collection Systems; Records)
The transmix loading rack is subject to the requirements of 326 IAC 8-4-9 because the unit is equipped with a vapor control system that is subject to the requirements of 326 IAC 8-4-4.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to assure 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 enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source’s failure to take the appropriate corrective actions within a specific time period.

There are no new or modified compliance requirements included with this modification.
Proposed Changes

As part of this permit approval, the permit may contain new or different permit conditions and some conditions from previously issued permits/approvals may have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes.

The following changes listed below are due to the proposed modification. Deleted language appears as strikethrough text and new language appears as bold text (these changes may include Title I changes):

(1) Section A of the permit was adjusted to include the new transmix loading rack and associated fugitive emissions from equipment leaks and haul roads.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(14)]

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

**********

(c) One (1) transmix truck loading operation, identified as LOAD-1, approved in 2020 for construction, with a maximum capacity of 35,000 transmix barrels per year, using a carbon canister as control, and exhausting outdoors.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)]

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

**********

(b) Fugitive emissions from transmix equipment leak losses consisting of pumps, pressure relief devices, sampling connection systems, open-ended valves or lines, valves, flanges and other connectors, using no control, and exhausting outdoors.

(cb) Paved roads and parking lots with public access. [326 IAC 6-4]

(2) The new transmix loading rack was added to Section D.1 for 326 IAC 8-4-4 and Preventive Maintenance Plan applicability. The total HAP limit and single HAP limit was adjusted as part of this modification.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) Tank Truck Loading Operation, identified as LR-1, where gasoline, distillates, denatured ethanol, and other additives are bottom-loaded into transport tank trucks. Displaced hydrocarbon emissions are controlled by a John Zink Carbon Adsorption/ Absorption Vapor Recovery Unit (VRU). The loading operation, installed in 1958, includes three (3) loading bays and has a maximum loading capacity of 72,000 gallons per hour. The VRU was replaced in 2001.

Under 40 CFR 63, Subpart BBBBB, this is considered an affected source.

(c) One (1) transmix truck loading operation, identified as LOAD-1, approved in 2020 for construction, with a maximum capacity of 35,000 transmix barrels per year, using a carbon canister as control, and exhausting outdoors.
Emission Limitations and Standards  [326 IAC 2-7-5(1)]

D.1.1 Hazardous Air Pollutants (HAPs) Minor Limits [326 IAC 20]

In order to render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA), the Permittee shall comply with the following:

(a) The single HAP emissions from the VRU associated with the tank truck loading rack, identified as LR-1, shall not exceed nine and two tenths four (9.24.0) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(b) The total combined HAP emissions from the VRU associated with the tank truck loading rack, identified as LR-1, shall not exceed twenty-two and five tenths thirteen (22.513.0) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at the source, shall limit the source-wide potential to emit single HAP to less than 10 tons per year and total HAPs to less than 25 tons per year, and shall render the source an area source of HAP emissions under Section 112 of the Clean Air Act (CAA).

*********

D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan (PMP) is required for this unit, these units and associated control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligations with regard to the preventive maintenance plan required by this condition.

(3) The quarterly report forms were updated to include the new total and single HAP limits.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: The Premcor Pipeline Co. - Hammond Terminal
Source Address: 1020 141st Street, Hammond, Indiana 46327
Part 70 Permit No.: T 089-42361-00209
Facility: Tank Truck Loading Operation, identified as LR-1.
Parameter: Single HAP
Limit: Shall not exceed nine and two tenths four (9.24.0) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
Source Name: The Premcor Pipeline Co. - Hammond Terminal  
Source Address: 1020 141st Street, Hammond, Indiana 46327 
Part 70 Permit No.: T 089-42361-00209 
Facility: Tank Truck Loading Operation, identified as LR-1. 
Parameter: Total HAPs 
Limit: Shall not exceed twenty-two and five tenths (22.513.0) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on November 23, 2020.

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 089-43496-00209. The operation of this proposed modification shall be subject to the conditions of the attached proposed Significant Permit Modification No. 089-43511-00209.

The staff recommends to the Commissioner that the Part 70 Minor Source Modification and Significant Permit Modification be approved.

IDEM Contact

(a) If you have any questions regarding this permit, please contact Kelcy Tolliver, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 234-6679 or (800) 451-6027, and ask for Kelcy Tolliver or (317) 234-6679.

(b) A copy of the findings is available on the Internet at: [http://www.in.gov/ai/appfiles/idem-caats/](http://www.in.gov/ai/appfiles/idem-caats/)

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: [http://www.in.gov/idem/airquality/2356.htm](http://www.in.gov/idem/airquality/2356.htm); and the Citizens' Guide to IDEM on the Internet at: [http://www.in.gov/idem/6900.htm](http://www.in.gov/idem/6900.htm).
## Emissions Summary

Company Name: The Premcor Pipeline Co. - Hammond Terminal  
Source Address: 1020 141st Street, Hammond, IN 46327  
Permit No.: T089-43511-00209  
Reviewer: Kelcy Tolliver

### Unrestricted/Uncontrolled Potential to Emit (ton/year)

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>PM</th>
<th>PM10</th>
<th>PM2.5</th>
<th>SO2</th>
<th>VOC</th>
<th>CO</th>
<th>NOx</th>
<th>Single HAP</th>
<th>Total HAPs</th>
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### Controlled Potential to Emit (ton/year)

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<th>SO2</th>
<th>VOC</th>
<th>CO</th>
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<th>Single HAP</th>
<th>Total HAPs</th>
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<td>-</td>
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<td>-</td>
<td>0.01</td>
<td>1.1E-04</td>
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### Limited Potential to Emit (ton/year)

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<th>VOC</th>
<th>CO</th>
<th>NOx</th>
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<th>Total HAPs</th>
</tr>
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<td>-</td>
<td>210.91</td>
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<td>-</td>
<td>41.05</td>
<td>0.60</td>
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<tr>
<td>Fugitives: Paved Roads</td>
<td>3.20</td>
<td>0.64</td>
<td>0.16</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1.25</td>
<td>0.02</td>
</tr>
<tr>
<td>Fugitives: VOC/HAP</td>
<td></td>
<td></td>
<td></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>6.48</td>
<td>0.09</td>
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<td>-</td>
<td>0.01</td>
<td>1.1E-04</td>
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<td>0.05</td>
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<tr>
<td>Transmix Haul Roads</td>
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<td>0.05</td>
<td>4.6E-03</td>
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<td>-</td>
<td>4.6E-03</td>
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<td>Total</td>
<td>3.37</td>
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### Emission Offset Increase

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<th>Calendar Year</th>
<th>Project Description</th>
<th>Baseline Actual</th>
<th>Potential Emissions (tons/year)</th>
<th>Net Emissions Change</th>
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<td>2016-2018</td>
<td>None</td>
<td>-</td>
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<tr>
<td>2019</td>
<td>Temporary Frac Tank</td>
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<td>3.49</td>
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<td>2019</td>
<td>Temporary Frac Tank Removal</td>
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<td>2020</td>
<td>Proposed Transmix Loading Rack, Fugitives, and Haul Roads</td>
<td>-</td>
<td>6.48</td>
<td>6.48</td>
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</table>

Total Net Emission Increase

De Minimis Level 25

Significant Level for Major Modification 25

1 Temporary Frac Tank was only permitted to operate 60 days after permit T089-41507-00209 issuance date on July 8, 2019.

---

### Uncontrolled Potential to Emit of New Units (tons/year)

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<tr>
<th>Emission Unit</th>
<th>PM</th>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$</th>
<th>SO$_2$</th>
<th>NO$_x$</th>
<th>VOC</th>
<th>CO</th>
<th>Combined HAPs</th>
<th>Single HAP (Hexane)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmix Loading Rack</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>6.48</td>
<td>0.20</td>
<td>0.09</td>
<td></td>
</tr>
<tr>
<td>Transmix Fugitives</td>
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<td>-</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>0.01</td>
<td>2.5E-04</td>
<td>1.1E-04</td>
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<tr>
<td>Transmix Haul Roads</td>
<td>0.17</td>
<td>0.05</td>
<td>4.6E-03</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
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</tr>
<tr>
<td><strong>Total (tons/year):</strong></td>
<td>0.17</td>
<td>0.05</td>
<td>4.6E-03</td>
<td>0.00</td>
<td>0.00</td>
<td>6.48</td>
<td>0.00</td>
<td>0.20</td>
<td>0.09</td>
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Appendix A: Emissions Calculations
Tanks Emissions Summary

Company Name: The Premcor Pipeline Co. - Hammond Terminal
Source Address: 1020 141st Street, Hammond, IN 46327
Permit No.: T089-43511-00209
Reviewer: Kelcy Tolliver

1. Uncontrolled Storage Tank VOC Emissions (ton/yr)

<table>
<thead>
<tr>
<th>Tank #</th>
<th>Type</th>
<th>Product</th>
<th>Capacity (gallons)</th>
<th>Throughput (gallons)</th>
<th>Total VOC (ton/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>IF</td>
<td>Gasoline</td>
<td>2,310,000</td>
<td>360,129,000</td>
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<tr>
<td>3</td>
<td>IF</td>
<td>Gasoline</td>
<td>2,310,000</td>
<td>360,129,000</td>
<td>5.439</td>
</tr>
<tr>
<td>5</td>
<td>OF+GEO</td>
<td>Gasoline</td>
<td>6,300,000</td>
<td>982,170,000</td>
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<td>6</td>
<td>IF</td>
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<td>7</td>
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</table>
| 11     | IF   | Ethanol | 36,804             | 73,302,600          | 0.520             

Total 41.05

2. Uncontrolled Storage Tank HAP Emissions (ton/yr)

<table>
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<tr>
<th>Storage Tank HAPs</th>
<th>HAP Vapor Weight (Gasoline)</th>
<th>HAP Vapor Weight (Distillate)</th>
<th>Uncontrolled HAP Emissions - Gasoline (ton/yr)</th>
<th>Uncontrolled HAP Emissions - Distillate (ton/yr)</th>
<th>Total Uncontrolled HAP Emissions (ton/yr)</th>
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<tr>
<td>Cumene</td>
<td>0.00</td>
<td>0.81</td>
<td>0.00</td>
<td>0.01</td>
<td>0.01</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>0.00</td>
<td>0.15</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Total 1.95 0.35 2.29

3. Fugitive VOC and HAPs

<table>
<thead>
<tr>
<th>Fugitive VOC and HAPs (ton/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
</tr>
<tr>
<td>Ethylbenzene</td>
</tr>
<tr>
<td>Hexane</td>
</tr>
<tr>
<td>2,2,4-Trimethylpentane</td>
</tr>
<tr>
<td>Toluene</td>
</tr>
<tr>
<td>Xylene</td>
</tr>
</tbody>
</table>

Total = 0.062

(1) Fugitive VOC from valves, flanges, pumps, etc. was taken from the 2002 emission statement.

Methodology:
Uncontrolled tank VOC emissions were estimated using US EPA TANKS 4.0 program.
Uncontrolled HAP Emissions (ton/yr) = Uncontrolled VOC Emissions (ton/yr) * Average HAP Vapor Weight %
## Appendix A: Emissions Calculations

### VOC and HAPs Emissions from Gasoline Loading Rack

**Company Name:** The Premcor Pipeline Co. - Hammond Terminal  
**Source Address:** 1020 141st Street, Hammond, IN 46327  
**Permit No.:** T089-43511-00209  
**Reviewer:** Kelcy Tolliver

**Uncontrolled VOC Emissions (ton/yr):**

<table>
<thead>
<tr>
<th>Gasoline</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>L&lt;sub&gt;i&lt;/sub&gt; (lb/1000 gal) =</td>
<td>5.00</td>
</tr>
<tr>
<td>Maximum Throughput (gal/yr) =</td>
<td>630,720,000</td>
</tr>
<tr>
<td>Maximum Throughput (kgal/yr) =</td>
<td>630,720</td>
</tr>
<tr>
<td>VOC (lb/yr) =</td>
<td>3,153,600</td>
</tr>
<tr>
<td>VOC (tons/yr) =</td>
<td>1,577</td>
</tr>
</tbody>
</table>

**Uncontrolled HAP Emissions (ton/yr):**

<table>
<thead>
<tr>
<th>HAP Name</th>
<th>*Average HAP Vapor Wt %</th>
<th>HAP Gasoline (ton/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>0.90%</td>
<td>14.2</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>0.10%</td>
<td>1.6</td>
</tr>
<tr>
<td>Hexane</td>
<td>1.60%</td>
<td>25.2</td>
</tr>
<tr>
<td>Toluene</td>
<td>1.30%</td>
<td>20.5</td>
</tr>
<tr>
<td>Trimethylpentane</td>
<td>0.80%</td>
<td>12.6</td>
</tr>
<tr>
<td>Xylene</td>
<td>0.50%</td>
<td>7.9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>82.0</strong></td>
</tr>
</tbody>
</table>

**Limited VOC Emissions (ton/yr):**

<table>
<thead>
<tr>
<th>Gasoline</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emission Limit (from 326 IAC 8-4-4) =</td>
<td>80</td>
</tr>
<tr>
<td>Loading Rack VOC Limit =</td>
<td>210.91</td>
</tr>
</tbody>
</table>

**Controlled HAP Emissions (ton/yr):**

<table>
<thead>
<tr>
<th>HAP Name</th>
<th>*Average HAP Vapor Wt %</th>
<th>HAP Gasoline (ton/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>0.90%</td>
<td>1.90</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>0.10%</td>
<td>0.21</td>
</tr>
<tr>
<td>Hexane</td>
<td>1.60%</td>
<td>3.37</td>
</tr>
<tr>
<td>Toluene</td>
<td>1.30%</td>
<td>2.74</td>
</tr>
<tr>
<td>2,2,4-trimethylpentane</td>
<td>0.80%</td>
<td>1.69</td>
</tr>
<tr>
<td>Xylene</td>
<td>0.50%</td>
<td>1.05</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>10.97</strong></td>
</tr>
</tbody>
</table>

**Methodology:**

- **Uncontrolled VOC Emissions (ton/yr)** = \( L_i \times \frac{\text{Maximum Throughput (kgal/yr)}}{2000} \)
- **Uncontrolled HAP Emissions (ton/yr)** = Uncontrolled VOC Emissions (ton/yr) * Average HAP Vapor Weight %
- **Emission Limit (lb/kgal)** = Emission Limit (mg/lit) / (3.6(lit/gal)) / (2.2*10^6)(mg/lb) / (1000)(gal/kgal)
- **Limited HAP Emissions (ton/yr)** = Limited VOC Emissions (ton/yr) * Average HAP Vapor Weight %
Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (12011).

Vehicle Information (provided by source)

<table>
<thead>
<tr>
<th>Type</th>
<th>Maximum number of vehicle per day</th>
<th>Number of one-way trips per day per vehicle</th>
<th>Maximum trips per day (trip/day)</th>
<th>Maximum Weight Loaded (tons/trip)</th>
<th>Total Weight driven per day (ton/day)</th>
<th>Maximum one-way distance (miles/day)</th>
<th>Maximum one-way miles (miles/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle (entering plant) (one-way trip)</td>
<td>30</td>
<td>1.0</td>
<td>30.0</td>
<td>15.0</td>
<td>450.0</td>
<td>7.5</td>
<td>2737.5</td>
</tr>
<tr>
<td>Vehicle (leaving plant) (one-way trip)</td>
<td>30</td>
<td>1.0</td>
<td>30.0</td>
<td>40.0</td>
<td>1200.0</td>
<td>7.5</td>
<td>2737.5</td>
</tr>
<tr>
<td>1</td>
<td>2.0</td>
<td>2.0</td>
<td>37.5</td>
<td>75.0</td>
<td>400.0</td>
<td>0.076</td>
<td>55.3</td>
</tr>
<tr>
<td>Totals</td>
<td>60.0</td>
<td>1650.0</td>
<td>15.0</td>
<td>5475.0</td>
<td></td>
<td>7.5</td>
<td>2737.5</td>
</tr>
</tbody>
</table>

Average Vehicle Weight Per Trip = 

- Average Vehicle Weight Per Trip = 27.5 tons/trip

Average Miles Per Trip = 

- Average Miles Per Trip = 0.25 miles/trip

Unmitigated Emission Factor, $E_f$ = $[k \times (s_L)^{0.91} \times (W)^{1.02}]$ (Equation 1 from AP-42 13.2.1)

- where $k = 0.011$ PM, 0.0022 PM$_{10}$, 0.00054 PM$_{2.5}$ = particle size multiplier (AP-42 Table 13.2.1-1)
- $W = 27.5$ tons = average vehicle weight
- $s_L = 9.7$ g/m$^2$ = silt loading value for paved roads at iron and steel production facilities - Table 13.2.1-3. Default value used for $s_L$

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E_f \times [1 - (p/N)]$ (Equation 2 from AP-42 13.2.1)

- Mitigated Emission Factor, $E_{ext} = E_f \times [1 - (p/N)]$
- where $p = 125$ days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
- $N = 365$ days per year

PTE (Before Control) (tons/yr) = Maximum one-way miles (miles/yr) * Unmitigated Emission Factor (lb/mile) * (ton/2000 lbs)

- Mitigated PTE (Before Control) (tons/yr) = Maximum one-way miles (miles/yr) * Mitigated Emission Factor (lb/mile) * (ton/2000 lbs)
- Mitigated PTE (After Control) (tons/yr) = Mitigated PTE (Before Control) (tons/yr) * [1 - Dust Control Efficiency]

<table>
<thead>
<tr>
<th>Process</th>
<th>Mitigated PTE of PM (Before Control) (tons/yr)</th>
<th>Mitigated PTE of PM$_{10}$ (Before Control) (tons/yr)</th>
<th>Mitigated PTE of PM$_{2.5}$ (Before Control) (tons/yr)</th>
<th>Mitigated PTE of PM (After Control) (tons/yr)</th>
<th>Mitigated PTE of PM$_{10}$ (After Control) (tons/yr)</th>
<th>Mitigated PTE of PM$_{2.5}$ (After Control) (tons/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vehicle (entering plant) (one-way trip)</td>
<td>3.20</td>
<td>0.64</td>
<td>0.16</td>
<td>1.60</td>
<td>0.32</td>
<td>0.08</td>
</tr>
<tr>
<td>Vehicle (leaving plant) (one-way trip)</td>
<td>3.20</td>
<td>0.64</td>
<td>0.16</td>
<td>1.60</td>
<td>0.32</td>
<td>0.08</td>
</tr>
<tr>
<td>Totals</td>
<td>6.40</td>
<td>1.28</td>
<td>0.31</td>
<td>3.20</td>
<td>0.64</td>
<td>0.16</td>
</tr>
</tbody>
</table>

Methodology

- Total Weight driven per day (ton/day) = [Maximum Weight of Loaded Vehicle (tons/trip)] * [Maximum trips per day (trip/day)]
- Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
- Average Vehicle Weight Per Trip = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]
- Average Miles Per Trip = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
- Unmitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Unmitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
- Mitigated PTE (Before Control) (tons/yr) = [Maximum one-way miles (miles/yr)] * [Mitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
- Mitigated PTE (After Control) (tons/yr) = [Mitigated PTE (Before Control) (tons/yr)] * [1 - Dust Control Efficiency]

Abbreviations

- PM = Particulate Matter
- PM$_{10}$ = Particulate Matter (<10 um)
- PM$_{2.5}$ = Particulate Matter (<2.5 um)
- kg = Kilogram
- lb = Pound
- g = Gram
- m$^2$ = Square Meter
- ton = Ton
- mi = Mile
- ft = Foot
- mile = Mile
- year = Year
## Appendix A: Emissions Calculations

### VOC and HAPs Emissions from Transmix Loading Rack

**Company Name:** The Premcor Pipeline Co. - Hammond Terminal  
**Source Address:** 1020 141st Street, Hammond, IN 46327  
**Permit No.:** T089-43511-00209  
**Reviewer:** Kelcy Tolliver

<table>
<thead>
<tr>
<th>Units</th>
<th>Tank Content</th>
<th>Max. Throughput (gal/year)</th>
<th>(1) Saturation Factor</th>
<th>Liquid VP (in psia) at bulk temp</th>
<th>Vapor MW</th>
<th>Liquid Temperature (°F)</th>
<th>(2) Tanker Loading Emission Factor (lb/1000 gal loaded)</th>
<th>Uncontrolled PTE of VOC (tons/year)</th>
<th>Reduction Efficiency of Control Device %</th>
<th>Controlled PTE of VOC (tons/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Loading Rack</td>
<td>Transmix</td>
<td>1,470,000</td>
<td>1.00</td>
<td>5.59</td>
<td>67.00</td>
<td>70.00</td>
<td>8.81</td>
<td>6.48</td>
<td>85.5%</td>
<td>0.94</td>
</tr>
</tbody>
</table>

### HAP Emissions (ton/yr)

<table>
<thead>
<tr>
<th>HAP Name</th>
<th>(3) Average HAP Vapor Wt %</th>
<th>Uncontrolled HAP (ton/yr)</th>
<th>Controlled HAP (ton/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>0.23%</td>
<td>0.01</td>
<td>2.1E-03</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>0.05%</td>
<td>3.3E-03</td>
<td>4.8E-04</td>
</tr>
<tr>
<td>Hexane</td>
<td>1.44%</td>
<td>0.09</td>
<td>0.01</td>
</tr>
<tr>
<td>Toluene</td>
<td>0.83%</td>
<td>0.05</td>
<td>0.01</td>
</tr>
<tr>
<td>Trimethylpentane (2,2,4-</td>
<td>0.33%</td>
<td>0.02</td>
<td>3.1E-03</td>
</tr>
<tr>
<td>Xylene (Mixed Isomers)</td>
<td>0.25%</td>
<td>0.02</td>
<td>2.3E-03</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>0.0003%</td>
<td>1.9E-05</td>
<td>2.8E-06</td>
</tr>
<tr>
<td>Phenol</td>
<td>0.0001%</td>
<td>6.5E-06</td>
<td>9.4E-07</td>
</tr>
<tr>
<td>Cumene</td>
<td>0.0002%</td>
<td>1.3E-04</td>
<td>1.9E-05</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>0.20</strong></td>
<td><strong>0.03</strong></td>
<td><strong>2.20</strong></td>
</tr>
</tbody>
</table>

1. Saturation factor for splash loading with dedicated vapor balance service  
3. Vapor speciation from essential air.

**Methodology:**

Uncontrolled VOC Emissions (ton/yr) = $L_L \times \frac{(lb/1000 \text{ gal}) \times \text{Maximum Throughput (kgal/yr)}}{2000 \text{ (lb/ton)}}$

Uncontrolled HAP Emissions (ton/yr) = Uncontrolled VOC Emissions (ton/yr) \times \text{Average HAP Vapor Weight %}
Appendix A: Emission Calculations
Fugitives Emissions from Transmix Loading

Company Name: The Premcor Pipeline Co. - Hammond Terminal
Source Address: 1020 141st Street, Hammond, IN 46327
Permit No.: T089-43511-00209
Reviewer: Kelcy Tolliver

Fugitive VOC Emissions

<table>
<thead>
<tr>
<th>Equipment Type</th>
<th>Material Service</th>
<th>Component Count</th>
<th>Emission Factor (lb/hr)</th>
<th>VOC Emissions lb/hr</th>
<th>VOC Emissions tpy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valves</td>
<td>Light Liquid</td>
<td>2</td>
<td>9.48E-05</td>
<td>1.66</td>
<td>8.30E-04</td>
</tr>
<tr>
<td>Pumps</td>
<td>Light Liquid</td>
<td>1</td>
<td>1.19E-03</td>
<td>10.43</td>
<td>5.21E-03</td>
</tr>
<tr>
<td>Connectors</td>
<td>Light Liquid</td>
<td>4</td>
<td>1.76E-05</td>
<td>0.62</td>
<td>3.09E-04</td>
</tr>
<tr>
<td>Connectors</td>
<td>Vapor</td>
<td>4</td>
<td>9.26E-05</td>
<td>3.24</td>
<td>1.62E-03</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>15.95</strong></td>
<td><strong>7.98E-03</strong></td>
</tr>
</tbody>
</table>


Fugitive HAP Emissions

<table>
<thead>
<tr>
<th>Compound</th>
<th>Emission Factor</th>
<th>Emissions lb/hr</th>
<th>Emissions tpy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>0.225%</td>
<td>0.04</td>
<td>1.80E-05</td>
</tr>
<tr>
<td>Cumene</td>
<td>0.002%</td>
<td>3.35E-04</td>
<td>1.67E-07</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>0.051%</td>
<td>8.10E-03</td>
<td>4.05E-06</td>
</tr>
<tr>
<td>Hexane</td>
<td>1.436%</td>
<td>0.23</td>
<td>1.15E-04</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>0.0003%</td>
<td>4.79E-05</td>
<td>2.39E-08</td>
</tr>
<tr>
<td>Phenol</td>
<td>0.0001%</td>
<td>1.60E-05</td>
<td>7.98E-09</td>
</tr>
<tr>
<td>Toluene</td>
<td>0.830%</td>
<td>0.13</td>
<td>6.62E-05</td>
</tr>
<tr>
<td>Trimethylpentane (2,2,4-)</td>
<td>0.326%</td>
<td>0.05</td>
<td>2.60E-05</td>
</tr>
<tr>
<td>Xylene (Mixed Isomers)</td>
<td>0.247%</td>
<td>0.04</td>
<td>1.97E-05</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>-</td>
<td>0.50</td>
<td>2.49E-04</td>
</tr>
</tbody>
</table>

1. Vapor speciation from essential air.

Methodology:
Uncontrolled VOC Emissions = Emission Factor (lb/hr) * Component Count * 8760/2000
Uncontrolled HAP Emissions = Emission Factor (%) * VOC Emissions (tpy)
Appendix A: Emission Calculations
Fugitive Emissions from Unpaved and Paved Transmix Haul Roads

Company Name: The Premcor Pipeline Co. - Hammond Terminal
Source Address: 1020 141st Street, Hammond, IN 46327
Permit No.: T089-43511-00209
Reviewer: Kelcy Tolliver

Vehicle Information (provided by source)

<table>
<thead>
<tr>
<th>Type</th>
<th>Maximum number of vehicles</th>
<th>Maximum trips per day per vehicle</th>
<th>Maximum Weight of Loaded Vehicle (tons/trip)</th>
<th>Total Weight driven per day (ton/day)</th>
<th>Maximum one-way distance (feet/trip)</th>
<th>Maximum one-way distance (miles/trip) (miles/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Haul Truck</td>
<td>1.0</td>
<td>2.0</td>
<td>37.5</td>
<td>75.0</td>
<td>0.076</td>
<td>0.2</td>
</tr>
<tr>
<td></td>
<td>Totals</td>
<td>2.0</td>
<td>75.0</td>
<td>0.2</td>
<td>55.3</td>
<td></td>
</tr>
</tbody>
</table>

Average Vehicle Weight Per Trip = 37.5 tons/trip
Average Miles Per Trip = 0.26 miles/trip

Unpaved Roads
Unmitigated Emission Factor, $E_f = k \cdot \left[ s / (12)^{a} \right] \cdot \left[ W / 3 \right]^{b}$ (Equation 1a from AP-42 13.2.2)

<table>
<thead>
<tr>
<th>PM</th>
<th>PM10</th>
<th>PM2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>37.5</td>
<td>37.5</td>
</tr>
<tr>
<td>sL</td>
<td>9.7</td>
<td>9.7</td>
</tr>
</tbody>
</table>

Paved Roads
Unmitigated Emission Factor, $E_f = \left[ k \cdot (sL)^{0.91} \cdot W^{1.02} \right]$ (Equation 1 from AP-42 13.2.1)

<table>
<thead>
<tr>
<th>PM</th>
<th>PM10</th>
<th>PM2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>37.5</td>
<td>37.5</td>
</tr>
</tbody>
</table>

Mitigated Emission Factor, $E_{ext} = E \cdot \left[ (365 - P) / 365 \right]$ (Equation 2 from AP-42 13.2.2)

<table>
<thead>
<tr>
<th>PM</th>
<th>PM10</th>
<th>PM2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>37.5</td>
<td>37.5</td>
</tr>
</tbody>
</table>

Mitigated Emission Factor, $E_{ext} = E \cdot \left[ (365 - P) / 365 \right]$ (Equation 2 from AP-42 13.2.2)

<table>
<thead>
<tr>
<th>PM</th>
<th>PM10</th>
<th>PM2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>37.5</td>
<td>37.5</td>
</tr>
</tbody>
</table>

Haul Truck

<table>
<thead>
<tr>
<th>Process</th>
<th>Mitigated PTE of PM (tons/yr)</th>
<th>Mitigated PTE of PM (tons/yr)</th>
<th>Mitigated PTE of PM (tons/yr)</th>
<th>Mitigated PTE of PM (tons/yr)</th>
<th>Mitigated PTE of PM (tons/yr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM</td>
<td>Before Control</td>
<td>Before Control</td>
<td>Before Control</td>
<td>Before Control</td>
<td>Before Control</td>
</tr>
<tr>
<td>PM10</td>
<td>0.17</td>
<td>0.95</td>
<td>4.6E-03</td>
<td>0.09</td>
<td>0.02</td>
</tr>
<tr>
<td>PM2.5</td>
<td>0.09</td>
<td>0.02</td>
<td>4.6E-03</td>
<td>0.09</td>
<td>0.02</td>
</tr>
<tr>
<td>Totals</td>
<td>0.17</td>
<td>0.95</td>
<td>4.6E-03</td>
<td>0.09</td>
<td>0.02</td>
</tr>
</tbody>
</table>

Methodology
Total distance includes both unpaved and paved roads. The Transmix Haul Roads will be a combination of both. The worst case scenario is unpaved roads, therefore, only emissions from the unpaved roads will be included in the emissions total.

Total Weight driven/day (ton/day) = $[\text{Maximum Weight of Loaded Vehicle} \times \text{(tons/trip)}] \times [\text{Maximum trips per day} \times \text{(trip/day)}]$

Max. one-way distance (mi/trip) = $[\text{Maximum one-way distance (feet/trip)}] / [5280 \times \text{ft/mile}]$

Max. one-way miles (miles/day) = $[\text{Maximum trips per year} \times \text{(trip/day)}] \times [\text{Maximum one-way distance (mi/trip)}]$

Avg. Vehicle Weight/Truck = $[\text{SUM(Total Weight driven per day} \times \text{(ton/day)}] / \text{SUM(Maximum trips per day} \times \text{(trip/day)}]$

Avg. Miles Per Trip (miles/trip) = $[\text{SUM(Maximum one-way miles} \times \text{(miles/day)}] / \text{SUM(Maximum trips per year} \times \text{(trip/day)}]$

Mitigated PTE (tons/yr) = $[\text{Mitigated Emission Factor} \times \text{(ton/mile)}] \times [\text{trip\,year}]$
January 13, 2021

Mikayla Briggs
Premcor Pipeline Company
1 Valero Way MS F2A
San Antonio, TX 78249

Re: Public Notice
Premcor Pipeline Company-Hammond Terminal
Permit Level: Title V-Significant Permit Modification
Permit Number: 089-43511-00209

Dear Ms. Mikayla Briggs:

Enclosed is the Notice of 30-Day Period for Public Comment for your draft air permit.

Our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person. The Notice of 30-Day Period for Public Comment has also been sent to the OAQ Permits Branch Interested Parties List and, if applicable, your Consultant/Agent and/or Responsible Official/Authorized Individual.

The preliminary findings, including the draft permit, technical support document, emission calculations, and other supporting documents, are available electronically at:

- IDEM's online searchable database: [http://www.in.gov/apps/idem/caats/](http://www.in.gov/apps/idem/caats/) . Choose Search Option by Permit Number, then enter permit 43511

and

- IDEM's Virtual File Cabinet (VFC): [http://www.IN.gov/idem](http://www.IN.gov/idem). Enter VFC in the search box, then search for permit documents using a variety of criteria, such as Program area, date range, permit #, Agency Interest Number, or Source ID.

The Public Notice period will begin the date the Notice is published on the IDEM Official Public Notice website. Publication has been requested and is expected within 2-3 business days. You may check the exact Public Notice begins and ends date here: [https://www.in.gov/idem/5474.htm](https://www.in.gov/idem/5474.htm)

Please note that as of April 17, 2019, IDEM is no longer required to publish the notice in a newspaper.

OAQ has submitted the draft permit package to the Hammond Public Library, 564 State Street in Hammond, IN 46320. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.
Please review the draft permit documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Kelcy Tolliver, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-6679 or dial (317) 234-6679.

Sincerely,

Kathy Bourquein

Kathy Bourquein
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover Letter access via website 8/10/2020
January 13, 2021

To: Hammond Public Library

From: Jenny Acker, Branch Chief
Permits Branch
Office of Air Quality

Subject: Important Information to Display Regarding a Public Notice for an Air Permit

Applicant Name: Premcor Pipeline Company – Hammond Terminal
Permit Number: 089-43511-00209

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. Please make this information readily available until you receive a copy of the final package.

If you have any questions concerning this public review process, please contact Joanne Smiddle-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library updated 4/2019
Notice of Public Comment

January 13, 2021
Premcor Pipeline Company – Hammond Terminal
089-43511-00209

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has posted on IDEM’s Public Notice website at https://www.in.gov/idem/5474.htm.

The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana’s Air Permitting Program.

Please Note: If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Joanne Smiddie-Brush with the Air Permits Administration Section at 1-800-451-6027, ext. 3-0185 or via e-mail at JBRUSH@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.

Enclosure
PN AAA Cover Letter 2/28/2020
AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD
DRAFT INDIANA AIR PERMIT

January 13, 2021

A 30-day public comment period has been initiated for:

Permit Number: 089-43511-00209
Applicant Name: Premcor Pipeline Company – Hammond Terminal
Location: Hammond, Lake County, Indiana

The public notice, draft permit and technical support documents can be accessed via the IDEM Air Permits Online site at:
http://www.in.gov/ai/appfiles/idem-caats/

Questions or comments on this draft permit should be directed to the person identified in the public notice by telephone or in writing to:

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

Questions or comments regarding this email notification or access to this information from the EPA Internet site can be directed to Chris Hammack at chammack@idem.IN.gov or (317) 233-2414.

Affected States Notification 1/9/2017
## Mail Code 61-53

### IDEM Staff
KBOURQUE 1/13/2021
Premcor Pipeline Company 089-43511-00209 (draft) Page 1 of 2

### Name and address of Sender
Indiana Department of Environmental Management
Office of Air Quality – Permits Branch
100 N. Senate
Indianapolis, IN 46204

### Type of Mail:
CERTIFICATE OF MAILING ONLY

### Line | Article Number | Name, Address, Street and Post Office Address | Postage | Handling Charges | Act. Value (If Registered) | Insured Value | Due Send if COD | R.R. Fee | S.D. Fee | S.H. Fee | Rest. Del. Fee | Remarks
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1 | | Mikayla Briggs  Premcor Pipeline Company 1 Valero Way MS F2A San Antonio TX 78249 (Source CAATS) | | | | | | | | | | |
2 | | Fred Hampton  Vice President Premcor Pipeline Company 1 Valero Way MS E2A San Antonio TX 78249 (RO CAATS) | | | | | | | | | | |
3 | | WJOB / WZVN Radio 6405 Olcott Ave Hammond IN 46320 (Affected Party) | | | | | | | | | | |
4 | | Hammond City Council and Mayors Office 5925 Calumet Avenue Hammond IN 46320 (Local Official) | | | | | | | | | | |
5 | | Hammond Public Library 564 State St Hammond IN 46320-1532 (Library) | | | | | | | | | | |
6 | | Lowell Town Council and Town Manager PO Box 157, 501 East Main Street Lowell IN 46356 (Local Official) | | | | | | | | | | |
7 | | Craig Hogarth  7901 West Morris Street Indianapolis IN 46231 (Affected Party) | | | | | | | | | | |
8 | | Lake County Commissioners 2293 N. Main St, Building A 3rd Floor Crown Point IN 46307 (Local Official) | | | | | | | | | | |
9 | | Anthony Copeland  2006 E. 140th Street East Chicago IN 46312 (Affected Party) | | | | | | | | | | |
10 | | Barbara G. Perez  506 Lilac Street East Chicago IN 46312 (Affected Party) | | | | | | | | | | |
11 | | Mr. Robert Garcia  3733 Parrish Avenue East Chicago IN 46312 (Affected Party) | | | | | | | | | | |
12 | | Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 (Affected Party) | | | | | | | | | | |
13 | | Joseph Hero  11723 S Oakridge Drive St. John IN 46373 (Affected Party) | | | | | | | | | | |
14 | | Ron Novak Hammond Dept. of Environmental Management 5925 Calumet Ave. Hammond IN 46320 (Local Official) | | | | | | | | | | |
15 | | Mr. Larry Davis  268 South, 600 West Hebron IN 46341 (Affected Party) | | | | | | | | | | |

### Total number of pieces Listed by Sender

### Total number of Pieces Received at Post Office

### Postmaster, Per (Name of Receiving employee)

The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50,000 per occurrence. The maximum indemnity payable on Express Merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on insured and COD mail. See International Mail Manual for limitations of coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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