INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
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(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

To:	Interested Parties
Date:	July 5, 2024
From:	Jenny Acker, Chief Permits Branch Office of Air Quality
Source Name:	MPLX Terminals LLC - Speedway Terminal
Permit Level:	FESOP Administrative Amendment
Permit Number:	097-47913-00078
Source Location:	1304 Olin Ave Indianapolis,IN 46222
Type of Action Taken:	Changes that are administrative in nature

Notice of Decision: Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the matter referenced above. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

The final decision is available on the IDEM website at: http://www.in.gov/apps/idem/caats/
To view the document, choose Search Option **by Permit Number**, then enter permit 47913. This search will also provide the application received date and **final** permit issuance date.

The final decision is also available via IDEM's Virtual File Cabinet (VFC). Please go to: https://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.

(continues on next page)

If you would like to request a paper copy of the permit document, please contact IDEM's Office of Records Management:

IDEM - Office of Records Management
Indiana Government Center North, Room 1207
100 North Senate Avenue
Indianapolis, IN 46204
Phone: (317) 232-8667
Fax: (317) 233-6647
Email: IDEMFILEROOM@idem.in.gov

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Indiana Office of Administrative Law Proceedings, 100 N. Senate Avenue Suite N802, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

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Eric J. Holcomb, *Governor*
Brian C. Rockensuess, *Commissioner*

July 5, 2024

Brian Sweeley
MPLX Terminals LLC - Speedway Terminal
539 South Main Street
Findlay, Ohio 45840

Re: 097-47913-00078
Administrative Amendment to
FESOP Renewal No. F097-38661-00078

Dear Brian Sweeley:

MPLX Terminals LLC - Speedway Terminal was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. 097-38661-00078 on October 17, 2017 for a stationary petroleum product distribution terminal located at 1304 Olin Ave, Indianapolis, Indiana 46222. On June 4, 2024, the Office of Air Quality (OAQ) received an application from the source requesting to replace the underground storage refuel tank with an above ground storage refuel tank.

Pursuant to the provisions of 326 IAC 2-8-10(a), the permit is hereby administratively amended as described in the attached Technical Support Document.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire FESOP as amended. The permit references the below listed attachment(s).

Attachment A: 40 CFR 60, Subpart XX, Bulk Gasoline Terminals

Attachment B: 40 CFR 60, Subpart K, Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978

Attachment C: 40 CFR 60, Subpart Kb, Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984

Attachment D: 40 CFR 63, Subpart BBBBBB, Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities

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: https://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.

Federal rules under Title 40 of United States Code of Federal Regulations may also be found on the U.S. Government Printing Office's Electronic Code of Federal Regulations (eCFR) website, located on the Internet at: http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40tab_02.tpl.

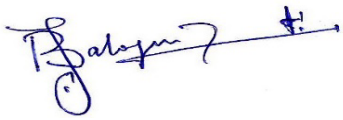
A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. A copy of the application and permit is also available via IDEM's Virtual File Cabinet (VFC). To access VFC, please go to: https://www.in.gov/idem/ and enter VFC in the search box. You will then have the 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/public-participation/; and the Citizens' Guide to IDEM on the Internet at: https://www.in.gov/idem/resources/citizens-guide-to-idem/.

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 Pratim Moulik, 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) 234-6871 or (800) 451-6027, and ask for Pratim Moulik or (317) 234-6871.

Sincerely,



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

Attachment(s): Updated Permit and Technical Support Document

cc: File - Marion County
Marion County Health Department
U.S. EPA, Region 5
Compliance and Enforcement Branch

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Commissioner

Federally Enforceable State Operating Permit Renewal
OFFICE OF AIR QUALITY

MPLX Terminals LLC-Speedway Terminal
1304 Olin Avenue
Indianapolis, Indiana 46222

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

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

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

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

Operation Permit No.: F097-38661-00078 Master Agency Interest ID No.: 11520	
Issued by: Signed by: Josiah K. Balogun, Section Chief Permits Branch Office of Air Quality	Issuance Date: October 17, 2017 Expiration Date: October 17, 2027

Administrative Amendment No.: 097-39587-00078, issued on March 20, 2018
Administrative Amendment No.: 097-41486-00078, issued on July 11, 2019
Administrative Amendment No.: 097-43657-00078, issued on March 12, 2021
Administrative Amendment No.: 097-47211-00078, issued on November 21, 2023

Administrative Amendment No.: 097-47913-00078	
Issued by: Madhurima Das for Josiah K. Balogun, Section Chief Permits Branch Office of Air Quality	Issuance Date: July 5, 2024 Expiration Date: October 17, 2027

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary petroleum product loading terminal.

Source Address:	1304 Olin Avenue, Indianapolis, Indiana 46222
General Source Phone Number:	419-421-3774
SIC Code:	5171 (Petroleum Bulk Stations and Terminals)
County Location:	Marion Wayne Township
Source Location Status:	Nonattainment for SO_2 standard Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

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

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

(a) One (1) petroleum products loading rack, identified as Loading Rack, with five (5) loading lanes, thirty-one (31) loading arms, loading various petroleum products (including distillate fuel oil, diesel fuel, kerosene, aviation fuel and gasoline), with a limited annual throughput of gasoline and/or ethanol of 605,000,000 gallons, and a maximum annual throughput of distillate fuel oil (includes diesel, aviation fuel and kerosene) of 600,000,000 gallons, with VOC and HAP emissions controlled by one (1) carbon adsorber vapor recovery system with two (2) fixed beds as the primary control device, or one (1) trailer mounted vapor combustor as the backup control device. The fugitive emissions, identified as F1, associated with this unit come from valves, loading arms, meters, pumps, etc. This facility was initially constructed in 1944 and modified in 1990 with the addition of a fifth loading lane.

[Under 40 CFR Part 60, Subpart XX, the petroleum products loading rack is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, the petroleum products loading rack is an affected facility]

(b) One (1) storage tank identified as Tank 55-5, constructed in 1944, with a maximum capacity of 2,408,659 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating aluminum roof and a mechanical shoe primary seal.

[Under 40 CFR Part 63, Subpart BBBBBB, Tank 55-5 is an affected facility]

(c) One (1) storage tank identified as Tank 55-11, constructed in 1971 and modified in 2021 to include butane blending operations, with a maximum capacity of 2,284,114 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating aluminum roof, a mechanical shoe primary seal and a secondary rim mounted wiper seal, and a mechanical shoe primary seal.

[Under 40 CFR Part 63, Subpart BBBBBB, Tank 55-11 is an affected facility]

(d) One (1) storage tank identified as Tank 20-2, constructed in 1945, with a maximum capacity of 799,916 gallons, storing gasoline, distillate fuel oil, or ethanol, and modified with an internal floating roof and a mechanical shoe primary seal in 2006.

[Under 40 CFR 60.110b, Subpart Kb, Tank 20-2 is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, Tank 20-2 is an affected facility]

(e) One (1) storage tank identified as Tank 80-12, constructed in 1978, with a maximum capacity of 3,412,071 gallons, storing distillate fuel oil, distillate fuel oil no. 2, or jet fuel with a true vapor pressure not greater than 1.5 pounds per square inch absolute (psia) at the highest calendar-month average storage temperature.

[Under 40 CFR 60.110, Subpart K, Tank 80-12 is an affected facility]

(f) One (1) storage tank identified as Tank 80-13, constructed in 1974 and modified in 2021 to include butane blending operations, with a maximum capacity of 3,412,071 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating steel roof, a mechanical shoe primary seal and a secondary rim mounted wiper seal.

[Under 40 CFR 60.110, Subpart K, Tank 80-13 is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, Tank 80-13 is an affected facility]

(g) One (1) storage tank identified as Tank 80-14, constructed in 1974 and modified in 2021 to include butane blending operations, with a maximum capacity of 3,412,071 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating steel roof, a mechanical shoe primary seal, and a secondary rim mounted wiper seal.

[Under 40 CFR 60.110, Subpart K, Tank 80-14 is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, Tank 80-14 is an affected facility]

(h) One (1) storage tank identified as Tank T-15, constructed in 1980 and modified with an internal floating roof and a mechanical shoe primary seal in 2000, with a maximum capacity of 127,083 gallons, storing transmix.

[Under 40 CFR 60.110b, Subpart Kb, Tank T-15 is an affected facility]

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

This stationary source also includes the following insignificant activities:

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

(1) Four (4) suspended natural gas heaters, located in the garage, with a maximum heat input capacity of 250,000 Btu/hr each.

(2) One (1) natural gas heater, located in the garage, with a maximum heat input capacity of 100,000 Btu/hr.

(3) One (1) natural gas water heater, located in the garage, with a maximum heat input capacity of 199,900 Btu/hr.

(4) Three (3) suspended natural gas heaters, located in the warehouse, with a maximum heat input capacity of 140,000 Btu/hr each.

(5) One (1) natural gas heater, located in the warehouse, with a maximum heat input capacity of 255,000 Btu/hr.

(b) One (1) natural gas-fired boiler, identified as Main Office Building Boiler No. HF3-40-GO, approved in 2013 for construction, with a maximum heat input capacity of 1.66 MMBtu/hr. [326 IAC 6-2-4]

(c) One (1) 280,000 BTU Furnace fueled by reclaimed used oil.

(d) Mobile equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu per hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 British thermal units per hour.

(e) One (1) above ground storage refuel petroleum fuel tank, other than gasoline, dispensing facility, identified as RB-8-1, permitted in 2024, with a maximum storage capacity of 12,000 gallons and throughput of 230,000 gallons per month, uncontrolled, and exhausting outdoors.

(f) The following VOC and HAP storage containers:

(1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(2) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(g) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2][326 IAC 8-3-8]

(h) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

(i) Closed loop heating and cooling systems.

(j) Groundwater oil recovery wells.

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

(l) Process vessels degassing and cleaning for internal repairs.

(m) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4-1]

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

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

(1) One (1) tank, identified as Pipeline Sump, approved for construction in 2018, with a maximum capacity of 1,695 gallons, and exhausting outdoors. The sump contents are returned to the pipeline.

(p) Activities with VOC emissions less than 3 lbs per hour or 15 lbs per day. These include the following:

(1) Tanks 20-4 (capacity of 778,470 gallons), 20-7 (capacity of 772,800 gallons), 55-8 (capacity of 2,141,958 gallons), 55-10 (capacity of 2,254,392), and RB 8-1 (capacity 7,644 gallons), all storing distillate fuel oils (No. 1 fuel oil, No. 2 fuel oil, or aviation jet fuel).

(2) Tank HA-2-1 (capacity of 1,504 gallons), storing used oil.

(3) Tank AA 10-2 (capacity of 9,665 gallons), storing gasoline additive.

(4) Tank AA 4-3 (capacity of 3,990 gallons) and AA-4-6 (capacity of 4,032 gallons), storing diesel additive.

(5) Jet Fuel Filter Draining Operation

(6) Tank AA 1-5 (capacity of 1,386 gallons), storing jet fuel de-icer.

(7) One (1) oil / water separator with a capacity of 10,000 gallons.

(8) Three (3) tanks, O-30-1, O-30-2, and O-30-3 (capacity of 28,770 gallons each), storing bio-diesel or ethanol.

(9) Tank A-1-4 (capacity of 840 gallons), storing dye.

(10) Tank AA-8-1, a fixed roof vertical tank storing gasoline additive or distillate lubricity additive, with a maximum design capacity of 7,770 gallons.

(11) Tank BA-2-16, with a capacity of 90,000 gallons, storing compressed butane gas as liquid.

(12) Tank S-1-17, with a capacity of 225 gallons, storing gasoline.

[Under 40 CFR Part 63, Subpart BBBBBB, Tank S-1-17 is an affected unit]

(13) Tank S-1-18, with a capacity of 225 gallons, storing denatured ethanol.

(14) Accumulation Tanks WA12-1 and WA12-2, with a combined total capacity of 25,000 gallons storing water from oil/water separator.

(15) One (1) tank, identified as DRA Tank, approved for construction in 2018, with a maximum capacity of 1,500 gallons, storing low vapor pressure polymer solution and exhausting outdoors.

(q) Maintenance garage, identified as Garage.

(r) Three (3) fixed roof temporary petroleum liquid storage tanks for maintenance, identified as Frac Tank 1 through Frac Tank 3, constructed in 2021, each with a maximum storage capacity of 15,100 gallons, and exhausting indoors.

(s) One (1) transmix blending system, consisting of a piping jumper from the transmix line to the gasoline receipt line, approved in 2023 for construction.

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

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

SECTION B GENERAL CONDITIONS

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

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

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

(a) This permit, F097-38661-00078, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-8-6][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 2-8-4(4)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

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

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

(a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:

(1) it contains a certification by an "authorized individual", as defined by 326 IAC 2-1.1-1(1), 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) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

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

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

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

(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 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

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

Indiana Department of Environmental Management
Compliance 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 2-8-4(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

(1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

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

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

(a) All terms and conditions of permits established prior to F097-38661-00078 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted.

(b) All previous registrations and permits are superseded by this permit.

B.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a

timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.16 Permit Renewal [326 IAC 2-8-3(h)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(42). The renewal application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
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 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.18 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) and (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 approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
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 V

Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b)(1) and (c). The Permittee shall make such records available, upon reasonable request, for public review.

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

(b) Emission Trades [326 IAC 2-8-15(b)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(b).

(c) Alternative Operating Scenarios [326 IAC 2-8-15(c)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

(d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.19 Source Modification Requirement [326 IAC 2-8-11.1]

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

B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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

(a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

(a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
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 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-8-4(6)][326 IAC 2-8-16][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.23 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314][326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Overall Source Limit [326 IAC 2-8]

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

(a) Pursuant to 326 IAC 2-8:

(1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.

(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and

(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.

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

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

C.2 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 thirty percent (30%) 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.3 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.4 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.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.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(2).

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
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 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC

14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

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

(g) Indiana 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.

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

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 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

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

C.9 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

(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 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

C.10 Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. 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 2-8-4][326 IAC 2-8-5(a)(1)]

C.11 Risk Management Plan [326 IAC 2-8-4][40 CFR 68]

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

C.12 Response to Excursions or Exceedances [326 IAC 2-8-4][326 IAC 2-8-5]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation 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.

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall 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 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.14 General Record Keeping Requirements [326 IAC 2-8-4(3)][326 IAC 2-8-5]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. 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 FESOP.

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.15 General Reporting Requirements [326 IAC 2-8-4(3)(C)][326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. 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 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(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.16 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) petroleum products loading rack, identified as Loading Rack, with five (5) loading lanes, thirty-one (31) loading arms, loading various petroleum products (including distillate fuel oil, diesel fuel, kerosene, aviation fuel and gasoline), with a limited annual throughput of gasoline and/or ethanol of 605,000,000 gallons, and a maximum annual throughput of distillate fuel oil (includes diesel, aviation fuel and kerosene) of 600,000,000 gallons, with VOC and HAP emissions controlled by one (1) carbon adsorber vapor recovery system with two (2) fixed beds as the primary control device, or one (1) trailer mounted vapor combustor as the backup control device. The fugitive emissions, identified as F1, associated with this unit come from valves, loading arms, meters, pumps, etc. This facility was initially constructed in 1944 and modified in 1990 with the addition of a fifth loading lane.

[Under 40 CFR Part 60, Subpart XX, the petroleum products loading rack is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, the petroleum products loading rack is an affected facility]

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

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

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

Pursuant to 326 IAC 2-8-4 (FESOP) and in order to render the requirements of 326 IAC 2-7 (Part 70) not applicable, the Permittee shall comply with the following:

(a) The throughput of gasoline and/or ethanol delivered to the loading rack shall not exceed 605,000,000 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) Loading Rack Volatile Organic Compounds (VOC) emissions, controlled with an existing vapor recovery system, shall not exceed 10 milligrams of VOC per liter of gasoline loaded (0.083 pounds VOC per 1000 gallons of gasoline).

(c) Whenever the adsorber vapor recovery system is down for maintenance or repairs, the VOC emissions from the loading rack shall be controlled using a portable vapor combustion unit, identified as PVCU. The PVCU shall operate with a minimum control efficiency of 95%. The Permittee shall notify the IDEM, OAQ inspector by submitting a letter within 10 days of installation of the PVCU, stating the date of the initial use of the PVCU. In a subsequent letter, the Permittee shall notify the IDEM, OAQ inspector stating the final date the PVCU is removed from site within 10 days of removal of the PCVU.

Compliance with these limits, combined with the potential to emit VOC from all other emission units at this source, shall limit the source-wide total potential to emit VOC to less than one hundred (100) tons per year, and shall render the requirements of 326 IAC 2-7 (Part 70) and 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable to this source.

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

Pursuant to 326 IAC 2-8-4 (FESOP) and in order to render the requirements of 326 IAC 2-7 (Part 70) not applicable, the Permittee shall comply with the following:

(a) The throughput of gasoline and/or ethanol delivered to the loading rack shall not exceed

605,000,000 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) Loading Rack single HAP emissions, controlled with an existing vapor recovery system, shall not exceed 0.91 pounds per hour.

(c) Loading Rack total combined HAP emissions, controlled with an existing vapor recovery system, shall not exceed 3.88 pounds per hour.

Compliance with these limits, combined with the potential to emit HAP from all other emission units at this source, shall limit the source-wide total emissions of a single HAP to less than ten (10) tons per year, total emissions of a combination of HAPs to less than twenty-five (25) tons per year, and shall render the requirements of 326 IAC 2-7 (Part 70) not applicable to this source.

D.1.3 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 80 milligrams per liter of VOC to the atmosphere.

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

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

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

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

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

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

D.1.4 Leaks from Transports and Vapor Collection Systems; Records [326 IAC 8-4-9]

Pursuant to 326 IAC 8-4-9 (Leaks from transports and vapor collection systems, records) the source will operate a vapor control system. The requirements are as follows:

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

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

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

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

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

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

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

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

(c) 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 H_2O) and a vacuum from exceeding one thousand five hundred (1,500) pascals (six (6) inches of H_2O) 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; and

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

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

(e) 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.

(f) During compliance tests conducted under 326 IAC 3-6 (stack testing), each vapor balance or control system shall be tested applying the standards described in subsection (c)(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.1.5 Preventive Maintenance Plan [326 IAC 1-6-3]

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

Compliance Determination Requirements [326 IAC 2-8-4(1)]

D.1.6 VOC and HAP Control

In order to comply with Conditions D.1.1, and D.1.2, the carbon adsorber vapor recovery unit or a portable vapor combustion unit (PVCU) for VOC and HAP control shall be in operation and control emissions from the loading rack at all times that the rack is in operation loading gasoline.

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

(a) In order to demonstrate compliance with Conditions D.1.1(b), D.1.2, and D.1.3, the Permittee shall perform VOC and HAP testing at the exhaust of the carbon adsorber vapor recovery unit utilizing methods approved by the commissioner 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- Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

(b) Whenever the adsorber vapor recovery system is down for maintenance or repairs or adjustment for more than twenty-four (24) hours and the VOC emissions from the loading rack are controlled by a portable vapor combustion unit (PVCU), the Permittee must ensure that the PVCU meets the design specification required to completely combust the VOC and HAP flowing to the PVCU and has been tested by the Manufacturer or Owner within the last five (5) years before the date of usage.

D.1.7 Carbon Adsorber and Portable Vapor Combustor Unit Operation

The following conditions apply to the operation of the Carbon Adsorber and the Portable Vapor Combustion Unit (PVCU):

Without a continuous emissions monitoring system (CEMS):

(a) When operating the carbon adsorber (without a continuous monitoring system) to control VOC and HAP emissions during gasoline loading at the truck loading rack, the Permittee shall monitor and continuously record the carbon bed pressure/vacuum on a recording device indicating the regeneration cycle. The carbon bed shall be regenerated once every fifteen (15) minutes during active loading or once every five (5) tanker trucks loaded during slack periods when the carbon adsorber is in idle mode.

Each scheduled workday, the Permittee shall conduct an inspection of the carbon bed pressure/vacuum and regeneration cycle time records for any deviations in the carbon bed minimum vacuum level of 24 inches Hg, since the last daily inspection.

The Permittee shall maintain an automated system which prevents the loading of gasoline and alerts the facility's operator if the carbon bed regeneration does not achieve a minimum vacuum level of 24 inches Hg. If the minimum vacuum level is not achieved within the same carbon bed for four (4) consecutive regenerarion cycles, the Permittee shall take a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

(b) When operating a portable vapor combustion unit (PVCU) to control VOC and HAP emissions, the Permittee shall install and maintain a monitor to detect the presence of a flame in the combustion zone or at the flare tip. The presence of a flame shall be monitored at all times when the vapors are being vented to the control device. The monitor shall be equipped with an automatic alarm which activates when the presence of a flame is not detected during periods when gasoline vapors are being vented to the control device. If the presence of a flame is not detected for any one (1) reading, the Permittee shall take a reasonable response. Section C - Response to Excursions and Exceedances of the permit contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

With a continuous emissions monitoring system (CEMS):

(c) When operating the carbon adsorber with a continuous emission monitoring system capable of measuring organic compound concentration in the carbon adsorber exhaust stream, the Permittee shall continuously monitor the organic compound concentration in the carbon adsorber exhaust stream. The CEMS shall be installed, calibrated, operated, and maintained according to the manufacture's specifications. The CEMS shall be certified in accordance with 40 CFR 60, Appendix B, Performance Specification 8. The Permittee shall sample the organic compound concentration at least once for each successive 15-minute period to obtain a 6-hour average. The Permittee shall follow the monitoring requirements specified in 40 CFR 63.11092(b)(1)(i)(A). The CEMS shall be used to demonstrate compliance with Permit Conditions D.1.1 and D.1.2.

The Permittee shall maintain an automated system which prevents the loading of gasoline and alerts the facility's operator if the vapor recovery unit organic concentration is outside the Permit Condition D.1.1 VOC limit, the Permittee shall take a reasonable response. Section C - Response to Excursions and Exceedances of the permit contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.8 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.1(a), the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be compiled monthly and shall be complete and sufficient to establish compliance with the usage limits and/or the VOC emission limits established in Condition D.1.1.

(1) The amount of ethanol and gasoline loaded each month. Records shall include those documents as necessary to verify the type and amount of throughput. Examples may include, but are not limited to, shipping documents, bills of lading, purchase orders, pipeline schedules, throughput summaries, Material Safety Data Sheets, and/or other records that document volumes of the specific regulated material transferred;

(2) A log of the dates for loading each product; and

(3) Total amounts of gasoline and ethanol, and fuel additive loaded for the twelve (12) consecutive month period.

(b) To document the compliance status with Conditions D.1.1(c), the Permittee shall maintain records of the initial date the PVCU was brought on site and the final date it was removed from the site.

(c) To document the compliance status with Condition D.1.2, 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.

(d) To document the compliance status with Condition D.1.3, the terminal shall keep a copy, and the owner or operator of a gasoline transport subject to this section shall keep a legible copy of the transport's most recent valid annual modified 40 CFR 60, Appendix A, Method 27 test either in the cab of the transport or affixed to the transport trailer. 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.

(e) To document the compliance status with Condition D.1.6, the terminal shall keep a copy, of the Manufacturer or Owner PVCU certification of design specifications.

(f) 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 vacuum during regeneration.

(2) Carbon bed regeneration cycle time.

(g) To document the compliance status with Condition D.1.7(b), the Permittee shall maintain records of the following operation parameters of the backup portable thermal incinerator when in use:

(1) dates when the portable terminal incinerator is in use; and

(2) a log of the daily check of the alarm, on those dates.

(h) 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 compliance with D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the three (3) month period 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 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(b) One (1) storage tank identified as Tank 55-5, constructed in 1944, with a maximum capacity of 2,408,659 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating aluminum roof and a mechanical shoe primary seal.

[Under 40 CFR Part 63, Subpart BBBBBB, Tank 55-5 is an affected facility]

(c) One (1) storage tank identified as Tank 55-11, constructed in 1971 and modified in 2021 to include butane blending operations, with a maximum capacity of 2,284,114 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating aluminum roof, a secondary rim mounted wiper seal, and a mechanical shoe primary seal.

[Under 40 CFR Part 63, Subpart BBBBBB, Tank 55-11 is an affected facility]

(d) One (1) storage tank identified as Tank 20-2, constructed in 1945, with a maximum capacity of 799,916 gallons, storing gasoline, distillate fuel oil, or ethanol, and modified with an internal floating roof and a mechanical shoe primary seal in 2006.

[Under 40 CFR 60.110b, Subpart Kb, Tank 20-2 is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, Tank 20-2 is an affected facility]

(e) One (1) storage tank identified as Tank 80-12, constructed in 1978, with a maximum capacity of 3,412,071 gallons, storing distillate fuel oil, distillate fuel oil no. 2, or jet fuel with a true vapor pressure not greater than 1.5 pounds per square inch absolute (psia) at the highest calendar-month average storage temperature.

[Under 40 CFR 60.110, Subpart K, Tank 80-12 is an affected facility]

(f) One (1) storage tank identified as Tank 80-13, constructed in 1974 and modified in 2021 to include butane blending operations, with a maximum capacity of 3,412,071 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating steel roof, a mechanical shoe primary seal and a secondary rim mounted wiper seal.

[Under 40 CFR 60.110, Subpart K, Tank 80-13 is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, Tank 80-13 is an affected facility]

(g) One (1) storage tank identified as Tank 80-14, constructed in 1974 and modified in 2021 to include butane blending operations, with a maximum capacity of 3,412,071 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating steel roof, a mechanical shoe primary seal, and a secondary rim mounted wiper seal.

[Under 40 CFR 60.110, Subpart K, Tank 80-14 is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, Tank 80-14 is an affected facility]

(h) One (1) storage tank identified as Tank T-15, constructed in 1980 and modified with an internal floating roof and a mechanical shoe primary seal in 2000, with a maximum capacity of 127,083 gallons, storing transmix.

[Under 40 CFR 60.110b, Subpart Kb, Tank T-15 is an affected facility]

(The information describing the process contained in this emissions unit description box is descriptive

information and does not constitute enforceable conditions.)

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

D.2.1 Petroleum Liquid Storage Facilities [326 IAC 8-4-3]

This rule applies to this source because it is located in Marion County. Therefore, pursuant to 326 IAC 8-4-3, storage tanks 55-5, 55-11, 20-2, 80-13, 80-14 and T-15 shall meet the following requirements:

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

(b) The tanks shall be 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, shall be 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 supporters; and

(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.2.2 Petroleum Liquid Storage Facilities [326 IAC 8-4-3]

The materials stored in the tank, identified as Tank 80-12 shall each have a true vapor pressure of less than 1.5 pounds per square inch absolute (psia) at the highest calendar-month average storage.

D.2.3 Preventive Maintenance Plan [326 IAC 1-6-3]

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

D.2.4 Monitoring

The Permittee shall conduct an annual inspection of storage tanks 55-5, 55-11, 20-2, 80-13, 80-14 and T-15 for visible holes, tears, or other openings in the seal or any seal fabric or materials. The inspections required in this condition can be conducted through roof hatches.

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

D.2.5 Record Keeping Requirements

(a) To document the compliance status with Condition D.2.1(b), the Permittee shall maintain records of results of the quarterly inspections required in condition D.2.3.

(b) Pursuant to 326 IAC 8-4-3, the owner/operator of storage tanks 55-5, 55-10, 20-2, 80-13, 80-14 and T-15 shall maintain the following records:

(1) petroleum liquid stored,
(2) the period of storage, and

(3) the maximum true vapor pressure of that liquid during the respective storage period.

(c) To document the compliance status with Condition D.2.2, the Permittee shall maintain the following records for Tank 80-12:

(1) type of liquid stored,

(2) the period of storage, and

(3) the maximum true vapor pressure of that liquid during the respective storage period.

(d) To document the compliance status with Conditions D.2.1 and D.2.2, the owner or operator of each storage vessel shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel

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

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

Insignificant Activity:

(b) One (1) natural gas-fired boiler, identified as Main Office Building Boiler No. HF3-40-GO, approved in 2013 for construction, with a maximum heat input capacity of 1.66 MMBtu/hr. [326 IAC 6-2-4]

(g) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2][326 IAC 8-3-8]

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

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

D.3.1 Particulate Matter Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating), the PM emissions from the natural gas-fired boiler shall not exceed 0.6 pounds per MMBtu heat input.

D.3.2 Cold Cleaner Degreaser Control Equipment and Operating Requirements [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold cleaner degreaser control equipment and operating requirements):

(a) The Permittee shall ensure the following control equipment and operating requirements are met:

(1) Equip the degreaser with a cover.

(2) Equip the degreaser with a device for draining cleaned parts.

(3) Close the degreaser cover whenever parts are not being handled in the degreaser.

(4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases.

(5) Provide a permanent, conspicuous label that lists the operating requirements in (a)(3), (a)(4), (a)(6), and (a)(7) of this condition.

(6) Store waste solvent only in closed containers.

(7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

(b) The Permittee shall ensure the following additional control equipment and operating requirements are met:

(1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths

(0.75) or greater.

(B) A water cover when solvent used is insoluble in, and heavier than, water.

(C) A refrigerated chiller.

(D) Carbon adsorption.

(E) An alternative system of demonstrated equivalent or better control as those outlined in (b)(1)(A) through (D) of this condition that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.

(2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.

(3) If used, solvent spray:

(A) must be a solid, fluid stream; and

(B) shall be applied at a pressure that does not cause excessive splashing.

D.3.3 Material Requirements for Cold Cleaner Degreasers [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), the Permittee shall not operate a cold cleaner degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

D.3.4 Preventive Maintenance Plan [326 IAC 1-6-3]

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 2-8-4(3)]

D.3.5 Record Keeping Requirements

(a) Pursuant to 326 IAC 8-3-8(c)(2), the following records shall be maintained for each purchase of cold cleaner degreaser solvent:

(1) The name and address of the solvent supplier.

(2) The date of purchase (or invoice/bill dates of contract servicer indicating service date).

(3) The type of solvent purchased.

(4) The total volume of the solvent purchased.

(5) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

(b) All records required by 326 IAC 8-3-8(c)(2) shall be:

(1) retained on-site or accessible electronically from the site for the most recent three (3) year period; and

(2) reasonably accessible for an additional two (2) year period.

(c) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

SECTION E.1 NSPS

Emissions Unit Description:

(a) One (1) petroleum products loading rack, identified as Loading Rack, with five (5) loading lanes, thirty-one (31) loading arms, loading various petroleum products (including distillate fuel oil, diesel fuel, kerosene, aviation fuel and gasoline), with a limited annual throughput of gasoline and/or ethanol of 605,000,000 gallons, and a maximum annual throughput of distillate fuel oil (includes diesel, aviation fuel and kerosene) of 600,000,000 gallons, with VOC and HAP emissions controlled by one (1) carbon adsorber vapor recovery system with two (2) fixed beds as the primary control device, or one (1) trailer mounted vapor combustor as the backup control device. The fugitive emissions, identified as F1, associated with this unit come from valves, loading arms, meters, pumps, etc. This facility was initially constructed in 1944 and modified in 1990 with the addition of a fifth loading lane.

[Under 40 CFR Part 60, Subpart XX, the petroleum products loading rack is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, the petroleum products loading rack is an affected facility]

(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 2-8-4(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 XX.

(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.1.2 Standards of Performance for Bulk Gasoline Terminals NSPS [326 IAC 12][40 CFR Part 60, Subpart XX]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart XX (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 60.500
(2) 40 CFR 60.501
(3) 40 CFR 60.502(a) and (b)
(4) 40 CFR 60.502(d) through (j)
(5) 40 CFR 60.503
(6) 40 CFR 60.505
(7) 40 CFR 60.506

SECTION E.2 NSPS

Emissions Unit Description:

(e) One (1) storage tank identified as Tank 80-12, constructed in 1978, with a maximum capacity of 3,412,071 gallons, storing distillate fuel oil, distillate fuel oil no. 2, or jet fuel with a true vapor pressure not greater than 1.5 pounds per square inch absolute (psia) at the highest calendar-month average storage temperature.

[Under 40 CFR 60.110, Subpart K, Tank 80-12 is an affected facility]

(f) One (1) storage tank identified as Tank 80-13, constructed in 1974 and modified in 2021 to include butane blending operations, with a maximum capacity of 3,412,071 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating steel roof, a mechanical shoe primary seal and a secondary rim mounted wiper seal.

[Under 40 CFR 60.110, Subpart K, Tank 80-13 is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, Tank 80-13 is an affected facility]

(g) One (1) storage tank identified as Tank 80-14, constructed in 1974 and modified in 2021 to include butane blending operations, with a maximum capacity of 3,412,071 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating steel roof, a mechanical shoe primary seal, and a secondary rim mounted wiper seal.

[Under 40 CFR 60.110, Subpart K, Tank 80-14 is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, Tank 80-14 is an affected facility]

(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 2-8-4(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 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

E.2.2 Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 NSPS [326 IAC 12][40 CFR Part 60, Subpart K]

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

Tank 80-12 shall comply with the following provisions of 40 CFR 60, Subpart K listed below:

(1) 40 CFR 60.110
(2) 40 CFR 60.111
(3) 40 CFR 60.113

Tanks 80-13 and 80-14 shall comply with the following provisions of 40 CFR Part 60, Subpart K listed below:

(1) 40 CFR 60.110
(2) 40 CFR 60.111
(3) 40 CFR 60.112
(4) 40 CFR 60.113

SECTION E.3 NSPS

Emissions Unit Description:

(d) One (1) storage tank identified as Tank 20-2, constructed in 1945, with a maximum capacity of 799,916 gallons, storing gasoline, distillate fuel oil, or ethanol, and modified with an internal floating roof and a mechanical shoe primary seal in 2006.

[Under 40 CFR 60.110b, Subpart Kb, Tank 20-2 is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, Tank 20-2 is an affected facility]

(h) One (1) storage tank identified as Tank T-15, constructed in 1980 and modified with an internal floating roof and a mechanical shoe primary seal in 2000, with a maximum capacity of 127,083 gallons, storing transmix.

[Under 40 CFR 60.110b, Subpart Kb, Tank T-15 is an affected facility]

(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 2-8-4(1)]

E.3.1 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 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.3.2 Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 NSPS [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 C to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission units listed above:

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

SECTION E.4 NESHAP

Emissions Unit Description:

(a) One (1) petroleum products loading rack, identified as Loading Rack, with five (5) loading lanes, thirty-one (31) loading arms, loading various petroleum products (including distillate fuel oil, diesel fuel, kerosene, aviation fuel and gasoline), with a limited annual throughput of gasoline and/or ethanol of 605,000,000 gallons, and a maximum annual throughput of distillate fuel oil (includes diesel, aviation fuel and kerosene) of 600,000,000 gallons, with VOC and HAP emissions controlled by one (1) carbon adsorber vapor recovery system with two (2) fixed beds as the primary control device, or one (1) trailer mounted vapor combustor as the backup control device. The fugitive emissions, identified as F1, associated with this unit come from valves, loading arms, meters, pumps, etc. This facility was initially constructed in 1944 and modified in 1990 with the addition of a fifth loading lane.

[Under 40 CFR Part 60, Subpart XX, the petroleum products loading rack is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, the petroleum products loading rack is an affected facility]

(b) One (1) storage tank identified as Tank 55-5, constructed in 1944, with a maximum capacity of 2,408,659 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating aluminum roof and a mechanical shoe primary seal.

[Under 40 CFR Part 63, Subpart BBBBBB, Tank 55-5 is an affected facility]

(c) One (1) storage tank identified as Tank 55-11, constructed in 1971 and modified in 2021 to include butane blending operations, with a maximum capacity of 2,284,114 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating aluminum roof, a secondary rim mounted wiper seal, and a mechanical shoe primary seal.

[Under 40 CFR Part 63, Subpart BBBBBB, Tank 55-11 is an affected facility]

(d) One (1) storage tank identified as Tank 20-2, constructed in 1945, with a maximum capacity of 799,916 gallons, storing gasoline, distillate fuel oil, or ethanol, and modified with an internal floating roof and a mechanical shoe primary seal in 2006.

[Under 40 CFR 60.110b, Subpart Kb, Tank 20-2 is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, Tank 20-2 is an affected facility]

(f) One (1) storage tank identified as Tank 80-13, constructed in 1974 and modified in 2021 to include butane blending operations, with a maximum capacity of 3,412,071 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating steel roof, a mechanical shoe primary seal and a secondary rim mounted wiper seal.

[Under 40 CFR 60.110, Subpart K, Tank 80-13 is an affected facility][Under 40 CFR Part 63, Subpart BBBBBB, Tank 80-13 is an affected facility]

(g) One (1) storage tank identified as Tank 80-14, constructed in 1974 and modified in 2021 to include butane blending operations, with a maximum capacity of 3,412,071 gallons, storing gasoline, distillate fuel oil, or ethanol, equipped with an internal floating steel roof, a mechanical shoe primary seal, and a secondary rim mounted wiper seal.

[Under 40 CFR 60.110, Subpart K, Tank 80-14 is an affected facility][Under 40 CFR

Part 63, Subpart BBBBBB, Tank 80-14 is an affected facility]

(p) Activities with VOC emissions less than 3 lbs per hour or 15 lbs per day. These include the following:

(12) Tank S-1-17, with a capacity of 225 gallons, storing gasoline.

[Under 40 CFR Part 63, Subpart BBBBBB, Tank S-1-17 is an affected unit]

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-8-4(1)]

E.4.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1][40 CFR Part 63, Subpart A]

(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 unit 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.4.2 National Emission Standards for Hazardous Air Pollutants for Source Category: 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 D to the operating permit), for the emission units listed above:

(1) 40 CFR 63.11080
(2) 40 CFR 63.11081(a)(1)
(3) 40 CFR 63.11082(a),(d)
(4) 40 CFR 63.11083(b),(c)
(5) 40 CFR 63.11085
(6) 40 CFR 63.11087
(7) 40 CFR 63.11088
(8) 40 CFR 63.11089
(9) 40 CFR 63.11092
(10) 40 CFR 63.11093
(11) 40 CFR 63.11094
(12) 40 CFR 63.11095(a),(b),(d)
(13) 40 CFR 63.11098
(14) 40 CFR 63.11099
(15) 40 CFR 63.11100
(16) Table 1 to Subpart BBBBBB (applicable portions)
(17) Table 2 to Subpart BBBBBB (applicable portions)
(18) Table 3 to Subpart BBBBBB (applicable portions)

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: MPLX Terminals LLC-Speedway Terminal
Source Address: 1304 Olin Avenue, Indianapolis, Indiana 46222
FESOP Permit No.: F097-38661-00078

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)_____

☐ Report (specify)_____

☐ Notification (specify)_____

☐ Affidavit (specify)_____

☐ Other (specify)_____

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

Signature:

Printed Name:

Title/Position:

Date:

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name: MPLX Terminals LLC-Speedway Terminal
Source Address: 1304 Olin Avenue, Indianapolis, Indiana 46222
FESOP Permit No.: F097-38661-00078

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

□ This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) 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 2-8-12

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position:_____

Date:_____

Phone: _____

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

FESOP Quarterly Report

Source Name: MPLX Terminals LLC-Speedway Terminal
Source Address: 1304 Olin Avenue, Indianapolis, Indiana 46222
FESOP Permit No.: F097-38661-00078
Facility: Loading Rack
Parameter: Gasoline and ethanol throughput to Loading Rack
Limit: The throughput of gasoline and/or ethanol delivered to the loading rack shall not exceed 605,000,000 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: _____YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this quarter.

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

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

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

Source Name: MPLX Terminals LLC-Speedway Terminal
Source Address: 1304 Olin Avenue, Indianapolis, Indiana 46222
FESOP Permit No.: F097-38661-00078

Months: _____ to _____ Year: _____

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".

□ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

□ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation: | **Duration of Deviation:**

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation: | **Duration of Deviation:**

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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

Form Completed by:_____

Title / Position:_____

Date:_____

Phone: _____

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for an Administrative Amendment to a Federally Enforceable State Operating Permit (FESOP) Renewal

Source Description and Location

Source Name:	**MPLX Terminals LLC - Speedway Terminal**
Source Location:	**1304 Olin Ave, Indianapolis, Indiana 46222**
County:	**Marion**
SIC Code:	**5171 (Petroleum Bulk Stations and Terminals, Not Elsewhere Classified)**
Operation Permit No.:	**F 097-38661-00078**
Operation Permit Issuance Date:	**October 17, 2017**
Administrative Amendment No.:	**097-47913-00078**
Permit Reviewer:	**Pratim Moulik**

Existing Approvals

The source was issued FESOP Renewal No. 097-38661-00078 on October 17, 2017. The source has since received the following approvals:

Permit Type	Permit Number	Issuance Date
FESOP Administrative Amendment	097-39587-00078	March 20, 2018
FESOP Administrative Amendment	097-41486-00078	July 11, 2019
FESOP Administrative Amendment	097-43657-00078	March 12, 2021
FESOP Administrative Amendment	097-47211-00078	November 21, 2023

County Attainment Status

The source is located in Marion County.

Pursuant to amendments to Indiana Code IC 13-17-3-14, effective July 1, 2023, a federal regulation that classifies or amends a designation of attainment, nonattainment, or unclassifiable for any area in Indiana under the federal Clean Air Act is effective and enforceable in Indiana on the effective date of the federal regulation.

Pollutant	Designation
SO_2	Attainment effective May 21, 2020, for the 2010 SO_2 primary 1-hour standard for Center, Perry, and Wayne townships. Unclassifiable or attainment effective April 9, 2018, for the remainder of the county. Better than national secondary standards effective March 3, 1978.
CO	Attainment effective February 18, 2000, for the part of the city of Indianapolis bounded by 11th Street on the north; Capitol Avenue on the west; Georgia Street on the south; and Delaware Street on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of Indianapolis and Marion County.
O_3	Unclassifiable or attainment effective January 16, 2018, for the 2015 8-hour ozone standard.
$PM_{2.5}$	Unclassifiable or attainment effective April 15, 2015, for the 2012 annual $PM_{2.5}$ standard.
$PM_{2.5}$	Unclassifiable or attainment effective December 13, 2009, for the 2006 24-hour $PM_{2.5}$ standard.
PM_{10}	Unclassifiable effective November 15, 1990.

Pollutant	Designation
NO_2	Unclassifiable or attainment effective January 29, 2012, for the 2010 NO_2 standard.
Pb	Unclassifiable or attainment effective December 31, 2011, for the 2008 lead standard.

(a) Ozone Standards
Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Marion County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements of Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) $PM_{2.5}$
Marion 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 of Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(c) Other Criteria Pollutants
Marion 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 unit exceeding 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) 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 administrative amendment, 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.

	Source-Wide Emissions Prior to Administrative Amendment (ton/year)								
	PM[1]	**PM_{10}[1]**	**$PM_{2.5}$[1, 2]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Single HAP[3]**	**Total HAPs**
Total PTE of Entire Source Including Fugitives*	5.12	5.10	5.10	0.65	0.99	93.41	0.73	1.37	7.99
Title V Major Source Thresholds	NA	100	100	100	100	100	100	10	25
PSD Major Source Thresholds	100	100	100	100	100	100	100	--	--

[1]Under the Part 70 Permit program (40 CFR 70), PM_{10} and $PM_{2.5}$, not particulate matter (PM), are each considered as a "regulated air pollutant."

[2]$PM_{2.5}$ listed is direct $PM_{2.5}$.

[3]Single highest source-wide HAP (Hexane)

*Fugitive HAP emissions are always included in the source-wide emissions.

(a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of one hundred (100) tons per year or more and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).

(b) This existing source is not a major source of HAP, as defined in 40 CFR 63.2, because HAP emissions are 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.

(c) These emissions are based on the TSD of FESOP AA No. 097-43657-00078, issued on March 12, 2021.

Description of Amendment

The Office of Air Quality (OAQ) has reviewed an application, submitted by MPLX Terminals LLC - Speedway Terminal on June 4, 2024, relating to the replacement of the underground storage refuel tank with an above ground storage refuel tank.

The following is a list of the new emission units:

(a) One (1) above ground storage refuel petroleum fuel tank, other than gasoline, dispensing facility, identified as RB-8-1, permitted in 2024, with a maximum storage capacity of 12,000 gallons and throughput of 230,000 gallons per month, uncontrolled, and exhausting outdoors.

As part of this permitting action, the following emission units are being removed from the permit:

(a) A petroleum fuel, other than gasoline, dispensing facility, having storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.

(b) Tank RB-8-1, with a capacity of 7,644 gallons, storing number 2 fuel oil.

Enforcement Issues

There are no pending enforcement actions related to this administrative amendment.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – FESOP Administrative Amendment

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 2-8-10 (Administrative Permit Amendments). This table reflects the PTE before controls of the administrative amendment. 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.

	PTE Before Controls of the New Emission Units (ton/year)								
Process / Emission Unit	**PM**	**PM_{10}**	**$PM_{2.5}$[1]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Single HAP[2]**	**Total HAPs**
Tank RB-8-1	-	-	-	-	-	0.0074	-	0.0001	0.0075
Total PTE Before Controls of the New Emission Units:	**-**	**-**	**-**	**-**	**-**	**0.0074**	**-**	**0.0001**	**0.0075**

[1]$PM_{2.5}$ listed is direct $PM_{2.5}$.

[2]Single highest HAP (Hexane)

Appendix A of this TSD reflects the detailed potential emissions of the administrative amendment.

Pursuant to 326 IAC 2-8-10(a)(13), this change to the permit is considered an administrative amendment because the permit is amended to add an emissions unit or modification, subject to 326 IAC 2-1.1-3 (Exemptions), at the request of the Permittee.

PTE of the Entire Source After Issuance of the FESOP Administrative Amendment

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

	Source-Wide Emissions After Issuance (ton/year)								
	PM[1]	**PM_{10}[1]**	**$PM_{2.5}$[1, 2]**	**SO_2**	**NO_X**	**VOC**	**CO**	**Single HAP[3]**	**Total HAPs**
Gasoline & ethanol	-	-	-	-	-	25.11	-	0.40	1.68
Distillate fuel oil	-	-	-	-	-	4.27	-	0.0004	0.04
Tanks	-	-	-	-	-	25.16	-	0.40	1.31
Fugitives	-	-	-	-	-	24.38	-	0.40	1.19
Insignificant Tanks	-	-	-	-	-	6.57	-	0.03	3.26
Degreaser	-	-	-	-	-	0.48	-	-	-
Degassing	-	-	-	-	-	5.03	-	0.08	0.25
Maintenance welding and cutting	4.79	4.79	4.79	-	-	-	-	-	0.12
Natural gas combustion	0.02	0.06	0.06	0.005	0.82	0.05	0.69	0.01	0.02
Used oil combustion	0.31	0.25	0.25	0.65	0.17	0.01	0.04	-	0.002
Temporary Petroleum Storage	-	-	-	-	-	2.36	-	0.04	0.12
Total PTE of Entire Source Including Fugitives*	**5.12**	**5.10**	**5.10**	**0.65**	**0.99**	**93.42**	**0.73**	**1.37**	**7.99**
Title V Major Source Thresholds	NA	100	100	100	100	100	100	10	25
PSD Major Source Thresholds	100	100	100	100	100	100	100	--	--

[1]Under the Part 70 Permit program (40 CFR 70), PM_{10} and $PM_{2.5}$, not particulate matter (PM), are each considered as a "regulated air pollutant."

[2]$PM_{2.5}$ listed is direct $PM_{2.5}$.

[3]Single highest source-wide HAP (Hexane)

*Fugitive HAP emissions are always included in the source-wide emissions.

Appendix A of this TSD reflects the detailed potential to emit of the entire source after issuance.

(a) This existing Title V minor stationary source will continue to be minor under 326 IAC 2-7 because the potential to emit regulated air pollutants and HAPs from the entire source will continue to be less than or limited to less than the Title V major source threshold levels. Therefore, the source is subject to the provisions of 326 IAC 2-8 (FESOP) and is an area source under Section 112 of the Clean Air Act (CAA).

(b) This existing minor PSD stationary source will continue to be minor under 326 IAC 2-2 because the potential to emit of all PSD regulated pollutants from the entire source will continue to be less

than or limited to less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Federal Rule Applicability Determination

Due to the administrative amendment, federal rule applicability has been reviewed as follows:

New Source Performance Standards (NSPS):

(a) The requirements of the New Source Performance Standard for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, 40 CFR 60, Subpart Kb and 326 IAC 12, are not included in the permit for storage tank RB-8-1, because even though the storage tank was constructed after 1984 and stores petroleum, the storage capacity is less than 75 cubic meters.

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

National Emission Standards for Hazardous Air Pollutants (NESHAP):

(a) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (40 CFR Part 63, 326 IAC 14, and 326 IAC 20) included in the permit for this administrative amendment.

Compliance Assurance Monitoring (CAM):

Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability - Entire Source

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

326 IAC 2-2 (PSD)
The existing source, a stationary petroleum product distribution terminal, is one of the twenty-eight (28) source categories and is not a major stationary source, under PSD (326 IAC 2-2), because the source took limits so that no PSD regulated pollutant is emitted at a rate of one hundred (100) tons per year or more.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The new emission unit(s) 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 2-8-4 (FESOP)
This source, a stationary petroleum product distribution terminal, has potential VOC emissions greater than 100 tons per year. The source chose to limit VOC emissions to less than 100 tons per year; therefore, the source is not subject to the requirements of 326 IAC 2-7 (Part 70 Permits) and will remain subject to 326 IAC 2-8-4 (FESOP).

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
This source (located in Marion County) is located in one of the counties listed in 326 IAC 6.5, but is not one of the sources specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10. The source-wide unlimited PTE of PM is less of 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 6.5 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.

State Rule Applicability – Individual Facilities

Due to the administrative amendment, state rule applicability has been reviewed as follows:

Tank RB-8-1

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
Even though this unit was constructed after January 1, 1980, it is not subject to the requirements of 326 IAC 8-1-6 because its unlimited VOC potential emissions are less than twenty-five (25) tons per year.

326 IAC 8-4-3 (Petroleum Liquid Storage Facilities)
This petroleum storage tank is not subject to the requirements of 326 IAC 8-4-3 because the tank has storage capacity of less than 39,000 gallons.

Compliance Determination and Monitoring Requirements

There are no new or modified compliance requirements included with this administrative amendment.

Proposed Changes

The following changes listed below are due to the administrative amendment. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

(1) Section A of the permit was updated to add new emission units, remove existing emission units.

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

This stationary source also includes the following insignificant activities:

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour.

****

(e) **One (1) above ground storage refuel petroleum fuel tank, other than gasoline, dispensing facility, identified as RB-8-1, permitted in 2024, with a maximum storage capacity of 12,000 gallons and throughput of 230,000 gallons per month, uncontrolled, and exhausting outdoors.** ~~A petroleum fuel, other than gasoline, dispensing facility, having storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.~~

(f) The following VOC and HAP storage containers:

(1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(2) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

****

(p) Activities with VOC emissions less than 3 lbs per hour or 15 lbs per day. These include the following:

(1) Tanks 20-4 (capacity of 778,470 gallons), 20-7 (capacity of 772,800 gallons), 55-8 (capacity of 2,141,958 gallons), 55-10 (capacity of 2,254,392), and RB 8-1 (capacity 7,644 gallons), all storing distillate fuel oils (No. 1 fuel oil, No. 2 fuel oil, or aviation jet fuel).

****

(14) Accumulation Tanks WA12-1 and WA12-2, with a combined total capacity of 25,000 gallons storing water from oil/water separator.

~~(15) Tank RB-8-1, with a capacity of 7,644 gallons, storing number 2 fuel oil.~~

(**15**~~16~~) One (1) tank, identified as DRA Tank, approved for construction in 2018, with a maximum capacity of 1,500 gallons, storing low vapor pressure polymer solution and exhausting outdoors.

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 June 4, 2024.

IDEM Contact

(a) If you have any questions regarding this permit, please contact Pratim Moulik, 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) 234-6871 or (800) 451-6027, and ask for Pratim Moulik or (317) 234-6871.

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

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: https://www.in.gov/idem/airpermit/public-participation/; and the Citizens' Guide to IDEM on the Internet at: https://www.in.gov/idem/resources/citizens-guide-to-idem/.

Appendix A: Emissions Calculations
Emissions Summary

Source Name: MPLX Terminals LLC
Source Location: 1304 Olin Avenue, Indianapolis, Indiana, 46222
Permit No.: 097-47913-00078
Permit Reviewer: Pratim Moulik

	Unlimited Potential Emissions (tons per year)								
Process Name	**PM**	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NOx**	**VOC**	**CO**	**Total HAPs**	**Worst Single HAP (Hexane)**
Loading Rack									
Gasoline & ethanol	-	-	-	-	-	2,505.45	-	130.28	40.09
Distillate fuel oil	-	-	-	-	-	4.27	-	0.05	0.004
Tanks	-	-	-	-	-	25.16	-	1.31	0.40
Fugitives	-	-	-	-	-	24.38	-	1.19	0.40
Insignificant Tanks	-	-	-	-	-	6.57	-	3.26	0.03
Degreaser	-	-	-	-	-	0.48	-	-	-
Degassing	-	-	-	-	-	5.03	-	0.25	0.08
Maintenance welding and cutting	4.79	4.79	4.79	-	-	-	-	0.12	-
Natural gas combustion	0.02	0.06	0.06	0.005	0.82	0.05	0.69	0.02	0.01
Used oil combustion	0.31	0.25	0.25	0.65	0.17	0.01	0.04	0.002	-
Temporary Petroleum Storage	-	-	-	-	-	2.36	-	0.12	0.04
TOTAL	**5.12**	**5.10**	**5.10**	**0.65**	**0.99**	**2573.76**	**0.73**	**136.60**	**41.06**

	Limited Potential to Emit (tons per year)								
Process Name	**PM**	**PM_{10}**	**$PM_{2.5}$**	**SO2**	**NOx**	**VOC**	**CO**	**Total HAPs**	**Worst Single HAP (Hexane)**
Loading Rack									
Gasoline & ethanol	-	-	-	-	-	25.11	-	1.68	0.40
Distillate fuel oil	-	-	-	-	-	4.27	-	0.04	0.0004
Tanks	-	-	-	-	-	25.16	-	1.31	0.40
Fugitives	-	-	-	-	-	24.38	-	1.19	0.40
Insignificant Tanks	-	-	-	-	-	6.57	-	3.26	0.03
Degreaser	-	-	-	-	-	0.48	-	-	-
Degassing	-	-	-	-	-	5.03	-	0.25	0.08
Maintenance welding and cutting	4.79	4.79	4.79	-	-	-	-	0.12	-
Natural gas combustion	0.02	0.06	0.06	0.005	0.82	0.05	0.69	0.02	0.01
Used oil combustion	0.31	0.25	0.25	0.65	0.17	0.01	0.04	0.002	-
Temporary Petroleum Storage	-	-	-	-	-	2.36	-	0.12	0.04
TOTAL	**5.12**	**5.10**	**5.10**	**0.65**	**0.99**	**93.42**	**0.73**	**7.99**	**1.37**

Appendix A: Emissions Calculations
Modification

Source Name: MPLX Terminals LLC
Source Location: 1304 Olin Avenue, Indianapolis, Indiana, 46222
Permit No.: 097-47913-00078
Permit Reviewer: Pratim Moulik

Uncontrolled Potential to Emit of New Units (tons/year)									
Emission Unit	**PM**	**PM_{10}**	**$PM_{2.5}$***	**SO_2**	**NO_x**	**VOC**	**CO**	**Combined HAPs**	**Single HAP (Hexane)**
Tank RB-8-1	-	-	-	-	-	0.0074	-	0.0075	0.0001
Total (tons/year):	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.0074**	**0.00**	**0.0075**	**0.0001**

**$PM_{2.5}$ listed is direct $PM_{2.5}$*

Appendix A: Emission Calculations
Project Emissions:
Butane Blending Maintenance Temporary Storage Tank

Company Name: MPLX Terminals LLC
Address City IN Zip: 1304 Olin Avenue, Indianapolis, Indiana, 46222
Permit No.: 097-47913-00078
Permit Reviewer: Pratim Moulik

1. VOC Potential to Emit
Butane Blending Emissions

Activity	Throughput (gal/yr)	Working Loss (lb/year)	Standing Loss (lb/yr)	VOC Emissions (tons/yr)
Transmix Tank	1,450,000	3416.45	1288.15	2.35

Standing and Working losses calculated with EPA TANKS 4.0.9d software.

Fugitive Emissions from Maintenance:

Activity	Hours of Operation	Emission Factor Liquid (lb/hr)	VOC Emissions (lbs/yr)	VOC Emissions (tons/yr)
Flanges (24)	4,380	1.76E-05	1.85	9.3E-04
Pump (1)	4,380	1.19E-03	5.21	2.6E-03
Valves (10)	4380	9.48E-05	4.15	2.1E-03
		Total VOC from Fugitives:		**5.6E-03**

Emission Factor Source: EPA Publication No. EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates, November 1995"

2. HAP Potential to Emit

	HAP	Vapor Weight % HAP*	HAP PTE (tons/yr)
Butane Blending - Gasoline	Benzene	0.90	0.02
	Ethylbenzen	0.10	0.00
	Hexane	1.60	0.04
	Toluene	1.30	0.03
	Trimethylper	0.80	0.02
	Xylene	0.50	0.01
Total HAP =			**0.12**
Single HAP (Hexane) =			**0.04**

*Gasoline Speciation from *Gasoline Distribution Industry (Stage 1) - Background Information for Proposed Standards for the MACT regulation* Table C-5 (EPA-435/R-94-002a)

Methodology
HAP Emissions (ton/yr) = VOC Emissions (ton/yr) * Vapor Weight % / 100

Appendix A: Emissions Calculations
Loading Rack

Source Name: MPLX Terminals LLC
Source Location: 1304 Olin Avenue, Indianapolis, Indiana, 46222
Permit No.: 097-47913-00078
Permit Reviewer: Pratim Moulik

Uncontrolled Potential to Emit VOC							
Product	**Sat. Factor**	**True Vapor Pressure @ 100 F**	**Molecular Weight**	**Degrees R**	**L_L EF (lbs./1000 gal)**	**Tank Truck Throughput (gal/yr)**	**PTE VOC (tons/yr)**
Gasoline & Ethanol	1	5.40	63	511.79	8.28	605,000,000	**2,505.45**
Distillate Fuel Oil	1.00	0.0045	130.00	511.79	0.01	600,000,000	**4.27**
							2,509.72

Methodology: Emissions estimated based on Equation 1 of AP-42 Section 5.2-4.

L_L = 12.46 SPM/T

where:

L_L = loading loss, pounds per 1000 gallons (lb/103 gal) of liquid loaded
S = a saturation factor (see Table 5.2-1)
P = true vapor pressure of liquid loaded, pounds per square inch absolute (psia) (see Section 7.1, "Organic Liquid Storage Tanks")
M = molecular weight of vapors, pounds per pound-mole (lb/lb-mole) (see Section 7.1, "Organic Liquid Storage Tanks")
T = temperature of bulk liquid loaded, °R (°F + 460)

PTE VOC (ton/yr) = L_L EF (lbs/1000gal) * gal/yr * conversion (ton/2000lbs)

PTE HAPs			**HAP Emissions**		
HAP Name	**Average Vapor Wt %* Gasoline/Ethanol**	**Average Vapor Wt %* Diesel**	**Gasoline/ Ethanol (tons/yr)**	**Distillate Fuel Oil (tons/yr)**	**Combined Total (ton/yr)**
Benzene	0.90%	0.02%	22.55	0.001	22.55
Ethylbenzene	0.10%	0.04%	2.51	0.002	2.51
Hexane	1.60%	0.10%	40.09	0.004	40.09
Toluene	1.30%	0.26%	32.57	0.01	32.58
Trimethylpentane	0.80%	-	20.04	-	20.04
Xylene	0.50%	0.69%	12.53	0.03	12.56
		TOTALS	**130.28**	**0.047**	**130.33**

* Gasoline data taken from "Gasoline Distribution Industry (Stage 1) - Background Information for Proposed Standards" for the MACT regulation, Table C-5 [EPA-453/R-94-002a] Diesel data calculated using data from API memo to the Gasoline Distribution MACT Workgroup dated 2/8/95.

Limited Potential to Emit

Gasoline & Ethanol

VOC Emission Limit = 10mg VOC/L of gasoline **Conversion to: lbs VOC/1000 gal of gasoline**

	10	mg VOC /L of gasoline
10 mg/L * 0.0000022 lbs/mg * L/0.264172 gal =	0.000083	lbs VOC / gal of gasoliine
0.000083 lbs/gal * 1000 gal/ 1000 gal =	**0.083**	**lbs VOC / 1000 gal of gasoline**

0.083 lb VOC / 1000 gals gasoline loaded X (605,000,000 gallons loaded/yr) = 50,215 lbs VOC/yr

Gasoline & Ethanol Limited VOC = 25.11 tons VOC/yr

Limited HAP			**HAP Emissions**		
HAP Name	**Average Vapor Wt %* Gasoline**	**Average Vapor Wt %* Diesel**	**Limited Gasoline/ Ethanol (tons/yr)**	**Distillate Fuel Oil (tons/yr)**	**HAP Total (ton/yr)**
Benzene	0.90%	0.02%	0.23	0.001	0.23
Ethylbenzene	0.10%	0.04%	0.03	0.002	0.03
Hexane	1.60%	0.01%	0.40	0.0004	0.40
Toluene	1.30%	0.26%	0.33	0.011	0.34
Trimethylpentane	0.80%	-	0.20	-	0.20
Xylene	2.00%	0.69%	0.50	0.029	0.53
		TOTALS	**1.68**	**0.04**	**1.73**

* Gasoline data taken from "Gasoline Distribution Industry (Stage 1) - Background Information for Proposed Standards " for the MACT regulation, Table C-5 [EPA-453/R-94-002a] Diesel data calculated using data from API memo to the Gasoline Distribution MACT Workgroup dated 2/8/95.

Appendix A: Emissions Calculations
VOC Emissions
Source Name: MPLX Terminals LLC
Source Location: 1304 Olin Avenue, Indianapolis, Indiana, 46222
Permit No.: 097-47913-00078
Permit Reviewer: Pratim Moulik

HAP Name	Average Vapor Wt %* Gasoline/ Ethanol
Benzene	0.900%
Ethylbenzene	0.10%
Hexane	1.60%
Toluene	1.30%
Xylene	0.50%
Trimethylpentane	0.80%

Tank ID	Material Stored	capacity (gallons)	control	Date of Construction	Throughput (gallons)	VOC Emissions [1] (tons per year)	HAP Emissions Estimates [2] (tons per year)						
							Benzene	Ethylbenzene	Hexane	Toluene	Xylene	Trimethylpentane	Total
55-5	gasoline, distillate, or ethanol	2,161,068	internal floating aluminum roof and a mechanical shoe primary seal	1944	105,382,502	8.503	0.077	0.009	0.136	0.111	0.043	0.068	0.442
55-11	gasoline, distillate, or ethanol	2,151,366	internal floating aluminum roof and a mechanical shoe primary seal	1971	108,319,948	3.906	0.035	0.004	0.062	0.051	0.020	0.031	0.203
20-2	gasoline, distillate, or ethanol	769,650	internal floating aluminum roof and a mechanical shoe primary seal	1945 modified in 2006	60,500,000	2.066	0.019	0.002	0.033	0.027	0.010	0.017	0.107
80-12	distillate, distillate fuel oil no. 2, or jet fuel	3,235,722	fixed roof	1978	132,664,602	1.57	0.014	0.002	0.025	0.020	0.008	0.013	0.082
80-13	gasoline, distillate, or ethanol	3,313,422	internal floating steel roof, a mechanical shoe primary seal and a secondary rim mounted wiper seal	1974	167,294,669	3.534	0.032	0.004	0.057	0.046	0.018	0.028	0.184
80-14	gasoline, distillate, or ethanol	3,200,358	internal floating aluminum roof and a mechanical shoe primary seal	1974	189,531,720	4.158	0.037	0.004	0.067	0.054	0.021	0.033	0.216
T-15	transmix	113,820	internal floating steel roof and a mechanical shoe primary seal	1980 modified in 2000	5,029,500	1.073	0.010	0.001	0.017	0.014	0.005	0.009	0.056
55-11, 80-13, 80-14	butane	-	-	modified in 2021	1,000,000	0.097	0.001	0.000	0.002	0.001	0.000	0.001	0.005
				TOTALS	769,722,941	24.91	0.22	0.02	0.40	0.32	0.12	0.20	1.295

[1] From U.S. EPA Tanks Program (version 4.09)
[2] HAP Emission estimates based on data taken from "Gasoline Distribution Industry (Stage 1) - Background Information for Proposed Standards " for the MACT regulation, Table C-5 [EPA-453/R-94-002a]

Attachment A: Emission Calculations
Storage Tanks

Company Name: **MPLX Terminals LLC**
Address City IN Zip: **1304 Olin Avenue, Indianapolis, Indiana, 46222**
Permit No.: **097-47913-00078**
Permit Reviewer: **Pratim Moulik**

Emissions from Product Storage Tanks

Tank ID	Total VOC Emissions** *(lbs/yr)*	Total VOC Emissions *(tpy)*
Pipeline Sump	512.73	0.26
DRA Tank	7.49	0.004
	Total:	**0.26**

HAP Name	Average Vapor Wt % Gasoline/ Ethanol*
Benzene	0.900%
Ethylbenzene	0.10%
Hexane	1.60%
Toluene	1.30%
Xylene	0.50%
Trimethylpentane	0.80%

HAP Emissions	Pipeline Sump		DRA Tank	
HAP	HAP Emissions (lb/yr)	HAP Emissions (ton/yr)	HAP Emissions (lb/yr)	HAP Emissions (ton/yr)
Benzene	4.61	2.31E-03	0.06741	3.4E-05
Ethylbenzene	0.51	2.56E-04	0.00749	3.7E-06
Hexane	8.20	4.10E-03	0.11984	6.0E-05
Toluene	6.67	3.33E-03	0.09737	4.9E-05
Xylene	2.56	1.28E-03	0.03745	1.9E-05
Trimethylpentane	4.10	2.05E-03	0.05992	3.0E-05
TOTAL HAPs		**1.33E-02**		**1.9E-04**
WORST SINGLE HAP	**Hexane**	**4.10E-03**	**Hexane**	**6.0E-05**

*HAP Emission estimates based on data taken from "Gasoline Distribution Industry (Stage 1) - Background Information for Proposed Standards " for the MACT regulation, Table C-5 [EPA-453/R-94-002a]

**Emissions were calculated using Tank 4.0.9d program

Note: VOC/HAP ratios for gasoline were used also in the emissions for the DRA Tank

Appendix A: Emissions Calculations
VOC Emmisions
Fugitives

Source Name: MPLX Terminals LLC
Source Location: 1304 Olin Avenue, Indianapolis, Indiana, 46222
Permit No.: 097-47913-00078
Permit Reviewer: Pratim Moulik

Loading Rack Fugitives Sources	**Flanges/ Connectors**	**Valves**	**Pump Seals**	**Other**
	Quantity	Quantity	Quantity	Quantity
TOTAL (Liquid)	9,667	1,401	29	52
TOTAL (vapor)	267	79	3	0
Liquid Emission Factor (lb/hr/component)	0.000018	0.000095	0.001190	0.000287
Vapor Emission Factor (lb/hr/component)	0.000093	0.000029	0.000143	0.000265
Operation (hr/yr)	8,760	8,760	8,760	8,760
Emissions (lb/hr)	0.20	0.14	0.03	0.01
Emissions (lb/yr)	1,710.10	1,183.26	306.20	130.55
Emissions (ton/yr)	**0.86**	**0.59**	**0.15**	**0.07**
TOTAL	**1.67**			

Notes:
1. Emission Factor Source: Publication Number EPA-45/R-95-017 "Protocol for Equipment Leak Emission Estimates", Table 2-3 (Marketing Terminal Average Emission Factors)
2. Assumes all in-service liquid components carry "light liquid" as defined on Page 2-7 of the Protocol for Equipment Leak Emission Estimates.

Tanker Truck Fugitives

Emissions = Gasoline throughput (gallons) X Emission Factor

Emission Factor = 9.0 mg VOC/L gasoline * X 1 lb/453600 mg) X (3.785 liters/gallon)
= 0.0751 lbs VOC / 1000 gallons gasoline

= 605,000,000 gallons gasoline/yr X 0.0751 lbs VOC / 1000 gallons gasoline
45435.50 lbs VOC/yr
22.72 **ton lbs VOC/yr**

***** Emission Factor (9.0 mg/L) from Radian Corporation study dated 4/24/95.

Fugitive VOC Emissions (tons/yr)	
Loading Rack (fug.)	1.67
Tanker Truck (fug)	22.72
TOTAL	**24.38**

Fugitive HAP Emissions (tons/yr)		
HAP	wt%	emissions
benzene	0.9	0.22
ethylbenzene	0.1	0.02
hexane	1.6	0.39
toluene	1.3	0.32
xylene	0.5	0.12
trimethylbenzene	0.5	0.12
TOTAL		**1.19**

Appendix A: Emissions Calculations

Insignificant Tanks VOC Emmisions

Source Name: MPLX Terminals LLC
Source Location: 1304 Olin Avenue, Indianapolis, Indiana, 46222
Permit No.: 097-47913-00078
Permit Reviewer: Pratim Moulik

HAP Name	Average Vapor Wt %* Gasoline/ Ethanol
Benzene	0.02
Ethylbenzene	0.04
Hexane	0.01
Toluene	0.26
Xylene	0.69

INSIGNIFICANT ACTIVITIES

Tanks											
	Material Stored	capacity (gallons)	control	Throughput (gallons)	VOC Emissions [1] (tons per year)	HAP Emissions Estimates [2] (tons per year)					
						Benzene	Ethylbenzene	Hexane	Toluene	Xylene	Total
oil/water separator	storm water	10,000	HUPV	500,000	1.25	-	-	-	-	-	-
Accumulation Tank (WA12-1 and WA12-2)	storage for water from oil/water separator	25,000	HFR	500,000	0.11	-	-	-	-	-	-
Tank 20-4	No. 2 Fuel Oil	778,470	VFR	68,505,360	0.33	0.007	0.013	0.003	0.087	0.230	0.34068
Tank 20-7	Kerosene	772,800	VFR	68,006,400	0.42	0.008	0.017	0.004	0.110	0.291	0.43044
Tank 55-10	No. 2 Fuel Oil	2,254,392	VFR	198,386,496	1.16	0.023	0.046	0.012	0.301	0.798	1.17912
Tank RB-8-1	Diesel	12,000	HFR -AST	230,000	0.00738	1.48E-04	0.000	0.000	0.002	0.005	0.007528
AA-10-2	Wholesale	9,665	VFR	38,660	0.12	0.002	0.005	0.001	0.032	0.085	0.12546
AA-4-3	Farmland Diesel Additive	3,990	HFR	10,000	0.04	-	-	-	-	-	-
AA-4-6	Diesel Flow Imp.	4,032	HFR	10,000	-	-	-	-	-	-	-
AA-1-5	Jet De-Icer	1,386	HFR	6,900	0.03	-	-	-	-	-	-
Tank O-30-1	Bio-Diesel / Ethanol	28,770	VFR	5,236,140	0.56	-	-	-	-	-	-
Tank O-30-2	Bio-Diesel / Ethanol	28,770	VFR	5,236,140	0.56	-	-	-	-	-	-
Tank O-30-3	Bio-Diesel / Ethanol	28,770	VFR	5,236,140	0.57	-	-	-	-	-	-
Tank A-1-4	Dye	840	HFR	4,200	0.001	-	-	-	-	-	-
Tank AA-8-1	Gas or Lub. Additive	7,770	VFR	23,310	0.08	-	-	-	-	-	-
Tank HA-2-1	Used Oil	1,504	HFR	6,900	-	-	-	-	-	-	-
Tank 55-8	Aviation Jet	2,141,958	VFR	188,492,304	1.16	0.023	0.046	0.012	0.301	0.798	1.17912
Tank S-1-17	Gasoline	225	VFR	80,000	0.13	Negl.	Negl.	Negl.	Negl.	Negl.	-
Tank S-1-18	Denatured Alcohol	225	VFR	80,000	0.04	Negl.	Negl.	Negl.	Negl.	Negl.	-
				TOTALS	**6.57**	**0.06**	**0.13**	**0.03**	**0.83**	**2.21**	**3.26**

[1] From USEPA Tanks Program (version 4.0)

[2] HAP Emission estimates based on data taken from "Gasoline Distribution Industry (Stage 1) - Background Information for Proposed Standards " for the MACT regulation, Table C-5 [EPA-453/R-94-002a]

Degreasing

VOC Emissions/year = Density X Weight % Volatile X annual usage
= 6.58 lb/gal X 100% X 145 gallons/yr
= 954.1 lbs/yr
= **0.48** **tons per year**

There are no HAPs present in the cleaning solvent

Degassing Methodology: Emissions estimated based on Equation 1 of AP-42 Section 5.2-4.

$L_L = 12.46 (SPM / T)$

where:

LL = loading loss, pounds per 1000 gallons (lb/103 gal) of liquid loaded
0.5 S = a saturation factor (see Table 5.2-1)
5.47 P = true vapor pressure of liquid loaded, pounds per square inch absolute (psia) (see Section 7.1, "Organic Liquid Storage Tanks")
63 M = molecular weight of vapors, pounds per pound-mole (lb/lb-mole) (see Section 7.1, "Organic Liquid Storage Tanks")
512 T = temperature of bulk liquid loaded, °R (°F + 460)

= 4.19 LL bls VOC/1000 gallons **Loaded**
loaded annually = 8000 gal/truck * 300 trucks/yr
= **5.03** **tons/yr**

Degassing HAP		
HAP	wt%	emissions
benzene	0.90%	0.05
ethylbenzene	0.10%	0.005
hexane	1.60%	0.08
toluene	1.30%	0.07
xylene	0.50%	0.03
trimethylbenzen	0.50%	0.03
	TOTAL	**0.25**

Appendix A: Emissions Calculations
Welding and Thermal Cutting

Source Name: MPLX Terminals LLC
Source Location: 1304 Olin Avenue, Indianapolis, Indiana, 46222
Permit No.: 097-47913-00078
Permit Reviewer: Pratim Moulik

PROCESS	Max. electrode consumption per		EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/day)				HAPS (lbs/day)
WELDING	station (lbs/day)		PM	Mn	Ni	Cr	PM	Mn	Ni	Cr	
Stick (E7018 electrode)	624		0.0211	0.0009			13.17	0.56	-	-	0.56
	Max. Metal Thickness	Max. Metal Cutting Rate	EMISSION FACTORS (lb pollutant/1,000 inches cut, 1" thick)**				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
FLAME CUTTING	Cut (in.)	(in./hr)	PM	Mn	Ni	Cr	PM	Mn	Ni	Cr	
Oxyacetylene	0.990	3,399	0.1622	0.0005	0.0001	0.0003	0.546	0.002	0.0003	0.001	0.003
EMISSION TOTALS											
Potential Emissions tons/year							**4.79**	**0.11**	**0.001**	**0.004**	**0.12**

As a worst case, the brazing equipment, cutting torches, soldering equipment, welding equipment insignificant activity, was assumed to be equivalent to stick welding and oxyacetylene cutting at 326 IAC 6-3-1 exempt usage levels. PM = PM10 = PM2.5

Methodology:
*Emission Factors are default values for carbon steel unless a specific electrode type is noted in th
**Emission Factor for plasma cutting from American Welding Society (AWS). Trials reported for wet cutting of 8 mm thick mild steel with 3.5 m/min cutting speed (at
Using AWS average values: (0.25 g/min)/(3.6 m/min) x (0.0022 lb/g)/(39.37 in./m) x (1,000 in.) = 0.0039 lb/
Plasma cutting emissions, lb/hr: (# of stations)(max. cutting rate, in./min.)(60 min./hr.)(emission factor, lb. pollutant/1,00(
Cutting emissions, lb/hr: (# of stations)(max. metal thickness, in.)(max. cutting rate, in./min.)(60 min./hr.)(emission factor
Welding emissions, lb/hr: (# of stations)(max. lbs of electrode used/hr/station)(emission factor, lb. pollutant/lb
Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day
Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/ye

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100

Source Name: MPLX Terminals LLC
Source Location: 1304 Olin Avenue, Indianapolis, Indiana, 46222
Permit No.: 097-47913-00078
Permit Reviewer: Pratim Moulik

	Heat Input Capacity MMBtu/hr		
4 garage Heaters (250,000 Btu/hr ea.)	1		
1 garage Heater (100,000 Btu/hr)	0.1		
3 warehouse Heaters (140,000 Btu/hr ea.)	0.42	HHV	Potential
1 warehouse Furnace (255,000 Btu/hr)	0.2550	mmBtu	Throughput
Boiler	1.66	mmscf	MMCF/yr
	1.9	1020	16.4

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.02	0.06	0.06	0.00	0.82	0.05	0.69

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
PM2.5 emission factor is filterable and condensable PM2.5 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology
All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Hazardous Air Pollutants (HAPs)

	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Total - Organics
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	1.7E-05	9.9E-06	6.2E-04	0.01	2.8E-05	0.02

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	Total - Metals
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	4.1E-06	9.0E-06	1.2E-05	3.1E-06	1.7E-05	4.5E-05

Methodology is the same as above.
The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Total HAPs	**0.02**
Worst HAP	**0.01**

Appendix A: Emissions Calculations
Waste Oil Combustion
Small Boiler

Source Name: MPLX Terminals LLC
Source Location: 1304 Olin Avenue, Indianapolis, Indiana, 46222
Permit No.: 097-47913-00078
Permit Reviewer: Pratim Moulik

	Heat Input Capacity MMBtu/hr	Potential Throughput kgals/year
Heater	0.28	17.65

A =	Weight % Ash =	0.55
L =	Weight % Lead =	0.000072
S =	Weight % Sulfur =	0.5

	Pollutant							
	PM*	PM10*	PM2.5**	SO2	NOx	TOC	CO	Pb
Emission Factor in lb/kgal	35.2 *(64A)*	28.05 *(51A)*	28.05 *(51A)*	73.5 *(147S)*	19.0	1.0	5.0	0.0040 *(55L)*
Potential Emission in tons/yr	0.31	0.25	0.25	0.65	0.17	0.01	0.04	0.00003

*No information was given in AP-42 regarding whether the PM/PM10 emission factors included filterable and condensable PM.
** No direct PM2.5 emission factor was given. Direct PM2.5 is a subset of PM10. If one assumes all PM10 to be all direct PM2.5, then a worst case assumption of direct PM2.5 can be made, notwithstanding the filterable and condensable issue formentioned.

Methodology
Emission Factor Units are lb/1000 gal
A = weight% ash in fuel, L = weight% lead in fuel, S = weight % sulfur in fuel
Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.139 MM Btu
Emission Factors from AP-42, Chapter 1.11, SCC 1-03-013-02 (Supplement B 10/96)
Emission (tons/yr) = Throughput kgals per year x Emission Factor (lb/kgal)/2,000 lb/ton

Hazardous Air Pollutants (HAPs)

	Pollutant					
	Arsenic	Cadmium	Chromium	Manganese	Nickel	Cobalt
Emission Factor in lb/kgal	1.1E-01	9.3E-03	2.0E-02	6.8E-02	1.1E-02	2.1E-04
Potential Emission in tons/yr	0.001	0.0001	0.0002	0.001	0.0001	0.000002

Methodology is the same above.

TankSummaries for 2022 Annual

Site: Speedway, IN, Speedway, IN

Equations for this site: After 2019 AP-42 revisions H/D ratio: calculated

Tank ID	Tank Diameter (ft)	Tank Type	Product	RVP	Throughput in gal.
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
RB-8-1	17.573758	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000
REFUEL_AST	18.619063	Horizontal Tank	Diesel		230000

Bulk Liquid Temperature (degF)	Avg. Liquid Surface Temp. (degF)	Avg. TVP (psia)
50	50	0.004630854
50	50	0.004630854
50	50	0.004630854
50	50	0.004630854
60	60	0.006482019
60	60	0.006482019
60	60	0.006482019
60	60	0.006482019
60	60	0.006482019
50	50	0.004630854
50	50	0.004630854
50	50	0.004630854
28.962478	29.483899	0.002225012
33.061235	33.833911	0.002612392
43.143937	44.248701	0.003793485
54.66977	56.078975	0.005690089
64.187562	65.853122	0.007845414
73.548762	75.405457	0.010617515
76.615222	78.448481	0.01166553
75.85901	77.507438	0.011332128
68.296005	69.662527	0.008863161
56.164105	57.123706	0.005892252
44.07122	44.654258	0.00384779
32.949	33.396499	0.002570897

Includes a landing loss?	Initial fill?	Includes a tank cleaning?	Number of Days
N	N	N	31
N	N	N	28
N	N	N	31
N	N	N	30
N	N	N	31
N	N	N	30
N	N	N	31
N	N	N	31
N	N	N	30
N	N	N	31
N	N	N	30
N	N	N	31
N	N	N	31
N	N	N	28
N	N	N	31
N	N	N	30
N	N	N	31
N	N	N	30
N	N	N	31
N	N	N	31
N	N	N	30
N	N	N	31
N	N	N	30
N	N	N	31

Estimated standing losses (lbs)	Estimated working losses (lbs)
0	0.81430783
0	0.79008396
0	0.81430783
0	0.80623321
0	1.1178903
0	1.1068054
0	1.1178903
0	1.1178903
0	1.1068054
0	0.81430783
0	0.80623321
0	0.81430783
0.045865786	0.39241062
0.05649375	0.44401858
0.10727121	0.64869935
0.16994765	0.94157377
0.2431199	1.2851875
0.31314653	1.6922409
0.34830055	1.8658049
0.32725671	1.8162672
0.2547185	1.4292199
0.16067834	0.98282255
0.081588151	0.65216642
0.048634638	0.44988537

Routine Emissions (lbs)	Non Routine Emissions (lbs)
0.81430783	0
0.79008396	0
0.81430783	0
0.80623321	0
1.1178903	0
1.1068054	0
1.1178903	0
1.1178903	0
1.1068054	0
0.81430783	0
0.80623321	0
0.81430783	0
0.4382764	0
0.50051233	0
0.75597057	0
1.1115214	0
1.5283074	0
2.0053874	0
2.2141055	0
2.1435239	0
1.6839384	0
1.1435009	0
0.73375457	0
0.49852	0

Total estimated emissions (lbs)	Acetaldehyde	Acetic acid
0.81430783	no data	no data
0.79008396	no data	no data
0.81430783	no data	no data
0.80623321	no data	no data
1.1178903	no data	no data
1.1068054	no data	no data
1.1178903	no data	no data
1.1178903	no data	no data
1.1068054	no data	no data
0.81430783	no data	no data
0.80623321	no data	no data
0.81430783	no data	no data
0.4382764	no data	no data
0.50051233	no data	no data
0.75597057	no data	no data
1.1115214	no data	no data
1.5283074	no data	no data
2.0053874	no data	no data
2.2141055	no data	no data
2.1435239	no data	no data
1.6839384	no data	no data
1.1435009	no data	no data
0.73375457	no data	no data
0.49852	no data	no data

Acetic anhydride{acetic acid anhydride}	Acetone	Acetonitrile	Acrylamide
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
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no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data

Acrylic acid{2-propenpic acid)	Acrylonitrile{2-propenenitrile}	Allyl alcohol
no data	no data	no data
no data	no data	no data
no data	no data	no data
no data	no data	no data
no data	no data	no data
no data	no data	no data
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no data	no data	no data
no data	no data	no data

Allyl chloride{3-chloro-1-propene}	Ammonia	Aniline	Anthracene	Benz[a]anthracene
no data	no data	no data	no data	no data
no data	no data	no data	no data	no data
no data	no data	no data	no data	no data
no data	no data	no data	no data	no data
no data	no data	no data	no data	no data
no data	no data	no data	no data	no data
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no data	no data	no data	no data	no data
no data	no data	no data	no data	no data
no data	no data	no data	no data	no data

Benzene	Benzo(g,h,i)perylene	Benzo[a]pyrene	Biphenyl	Butadiene (1,3)	Butane
0.00179319	1.68813E-16	no data	no data	no data	no data
0.00173985	1.63792E-16	no data	no data	no data	no data
0.00179319	1.68813E-16	no data	no data	no data	no data
0.00177541	1.67139E-16	no data	no data	no data	no data
0.0023363	4.63604E-16	no data	no data	no data	no data
0.00231313	4.59007E-16	no data	no data	no data	no data
0.0023363	4.63604E-16	no data	no data	no data	no data
0.0023363	4.63604E-16	no data	no data	no data	no data
0.00231313	4.59007E-16	no data	no data	no data	no data
0.00179319	1.68813E-16	no data	no data	no data	no data
0.00177541	1.67139E-16	no data	no data	no data	no data
0.00179319	1.68813E-16	no data	no data	no data	no data
0.00107229	2.00458E-17	no data	no data	no data	no data
0.00119788	3.18722E-17	no data	no data	no data	no data
0.00171514	1.03877E-16	no data	no data	no data	no data
0.00237123	3.52358E-16	no data	no data	no data	no data
0.00309723	9.39501E-16	no data	no data	no data	no data
0.00386435	2.30052E-15	no data	no data	no data	no data
0.00419851	3.08402E-15	no data	no data	no data	no data
0.00408493	2.81243E-15	no data	no data	no data	no data
0.0033448	1.33117E-15	no data	no data	no data	no data
0.00242614	3.89552E-16	no data	no data	no data	no data
0.00166125	1.03823E-16	no data	no data	no data	no data
0.00119577	3.07145E-17	no data	no data	no data	no data

Butanol (2)	Butene (1)	Butene (2-methyl-1)	Butene (2-methyl-2) {isopentene}
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
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no data	no data	no data	no data
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no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
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no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data

Butene (cis-2) {(Z)-2-butene)}	Butene (trans-2({(E)-2-butene}
no data	no data
no data	no data
no data	no data
no data	no data
no data	no data
no data	no data
no data	no data
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no data	no data

Butyl acetate (n-)	Butyl alcohol (n-) {butanol (1)}	Butyl alcohol (t-)
no data	no data	no data
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Butyl chloride (-n){1-chloro-butane}	Butyl ether (di-tert)	Butylbenzene (n-)
no data	no data	no data
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Butylbenzene (sec-)	Carbon disulfide	Carbon tetrachloride	Carbonyl sulfide
no data	no data	no data	no data
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Chlorobenzene	Chlorobutane (2)	Chloroform	Chloroprene{2-chioro-1.3-butadiene}
no data	no data	no data	no data
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Chlorotoluene (o){1 -chloro-2methylbenzene}	Chrysene
no data	no data
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Chrysene{benzo[a]phenanthrene}	Cresol	Cresol (m-)	Cresol (o-)	Cresol (p-)
no data	no data	no data	no data	no data
no data	no data	no data	no data	no data
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Cumene {isopropylbenzene}	Cyclohexane	Cyclohexanol	Cyclohexanone	Cyclohexene
0	0	no data	no data	no data
0	0	no data	no data	no data
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Cyclopentadiene	Cyclopentane	Cyclopentanone	Cyclopentene	Decane (n-)
no data	no data	no data	no data	no data
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DGM ether {diethylene glycol monomethyl ether}

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Dibromoethane (1,2) {ethylene dibromide}	Dibromopropane (1,2)
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Dibromopropane (1,3)	Dichioroethane (1,1)	Dichloroethane (1,2)
no data	no data	no data
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Dichloroethylene (1,2){1,2 dichloroethene}	Dichloroethylene (trans-1,2)
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Dichlorotoluene (3,4)	Diethanolamine {DEA}	Diethoxyethane (1,1)	Diethoxymethane
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Diethyibenzene (1,2)	Diethyibenzene (1,4)
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no data	no data
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Diethyl (n.n) aniline {N,N-diethylbenzenamine}	Diethyl ketone {3-pentanone}
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no data	no data
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Diethyl sulfide	Diethylamine	Diethylbenzene (1,3)	Di-isopropyl ether
no data	no data	no data	no data
no data	no data	no data	no data
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Dimethoxyethane (1.2)	Dimethyipentane (2,2)	Dimethyl butane (2,2)
no data	no data	no data
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Dimethyl butane (2,3)	Dimethyl cyclopentane (1,1)	Dimethyl formamide {n,n)
no data	no data	no data
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Dimethyl hydrazine (1,1)	Dimethyl phthalate	Dimethyl sulfide
no data	no data	no data
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no data	no data	no data
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Dimethyl-2-ethylbenzene (1,3)	Dimethyl-2-ethylbenzene (1,4)	Dimethylhexane (2,4)
no data	no data	no data
no data	no data	no data
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Dimethylpentane (2,3)	Dimethylpentane (2,4)	Dimethylpentane (3,3)	Dioxane (1,4)
no data	no data	no data	no data
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Dipropyl ether {di-n-propyl ether}	DMN (2,6) {2,6-dimethyl-naphthalene}
no data	no data
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Dodecane (n-)	Epichlorohydrin {chloromethyl oxirane}	Ethane
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Ethanol {ethyl alcohol}	Ethyipentane (3)	Ethyl acetate
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Ethyl acrylate {ethyl ester 2-propenoic acid}	Ethyl chloride
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Ethyl ether {diethyl ether}	Ethylamine	Ethylbenzene	Ethylcyclohexane
no data	no data	0.002398554	no data
no data	no data	0.002327202	no data
no data	no data	0.002398554	no data
no data	no data	0.00237477	no data
no data	no data	0.003363195	no data
no data	no data	0.003329846	no data
no data	no data	0.003363195	no data
no data	no data	0.003363195	no data
no data	no data	0.003329846	no data
no data	no data	0.002398554	no data
no data	no data	0.00237477	no data
no data	no data	0.002398554	no data
no data	no data	0.001216687	no data
no data	no data	0.001409798	no data
no data	no data	0.002195047	no data
no data	no data	0.00331819	no data
no data	no data	0.004645842	no data
no data	no data	0.006182094	no data
no data	no data	0.00685122	no data
no data	no data	0.006625341	no data
no data	no data	0.005149755	no data
no data	no data	0.003420948	no data
no data	no data	0.002132811	no data
no data	no data	0.001402208	no data

Ethylcyclopentane	Ethylene	Ethylene glycol	Ethyleneoxide	Fluoranthene
no data	no data	no data	no data	no data
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Fluorobenzene	Fonnic acid	Formic acid	Freon 11 {trichlorofluoromethane}	Furan
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			Total lo
Furfural {2-furancarboxaldehyde}	**Heneicosane (n)**	**Heptane (n-)**	**Heptene (1)**
no data	no data	no data	no data
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no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data

ɔss components in the "All" set (lbs)

Hexadiene (1,5)	Hexane (n-)	Hexanol (1)	Hexene (1)
no data	0.000372584	no data	no data
no data	0.0003615	no data	no data
no data	0.000372584	no data	no data
no data	0.000368889	no data	no data
no data	0.00047701	no data	no data
no data	0.00047228	no data	no data
no data	0.00047701	no data	no data
no data	0.00047701	no data	no data
no data	0.00047228	no data	no data
no data	0.000372584	no data	no data
no data	0.000368889	no data	no data
no data	0.000372584	no data	no data
no data	0.000231739	no data	no data
no data	0.000256623	no data	no data
no data	0.000360144	no data	no data
no data	0.000487415	no data	no data
no data	0.000626217	no data	no data
no data	0.00076947	no data	no data
no data	0.000832088	no data	no data
no data	0.000810748	no data	no data
no data	0.000672097	no data	no data
no data	0.000497801	no data	no data
no data	0.000348565	no data	no data
no data	0.000256393	no data	no data

Hydrogen cyanide {hydrocyanic acid}	Hydrogen fluoride	Hydrogen sulfide	Indene
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
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no data	no data	no data	no data

Iso-butane	isobutene {methylpropene (2)}	Isobutyl alcohol {2-methyl 1-propanol}
no data	no data	no data
no data	no data	no data
no data	no data	no data
no data	no data	no data
no data	no data	no data
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no data	no data	no data

Iso-octane {2,2,4 trimethylpentane}	Isopentane {2-methylbutane}
0	no data
0	no data
0	no data
0	no data
0	no data
0	no data
0	no data
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Isoprene {2-methyl 1,3-butadiene}	Isopropyl alcohol {isopropanol}
no data	no data
no data	no data
no data	no data
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Isopropyl benzene {cumene}	isopropylbenzene (1-methyl-2)	Isopropyltoluene (p-)
no data	no data	no data
no data	no data	no data
no data	no data	no data
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Lead	MDI {methylene diphenyl diisocyanate}	Mercury
no data	no data	no data
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no data	no data	no data
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Methacrylonitrile {2-methyl 2-propenenitrile}	Methane	Methanol {methyl alcohol}
no data	no data	no data
no data	no data	no data
no data	no data	no data
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Methyihexane (2)	Methyl acetate	Methyl acrylate {methyl ester 2-propenoic acid}
no data	no data	no data
no data	no data	no data
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Methyl ethyl ketone {2-butanone}	Methyl isobutyl ketone {hexone}
no data	no data
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no data	no data
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Methyl methacrylate	Methyl propyl ether	Methyl styrene (alpha)
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Methyl-2-ethylbenzene (1)	Methylcyclohexane	Methylcyclopentane
no data	no data	no data
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Methyldichlorosilane	Methylene chloride {dichloromethane}	Methylheptane (2)
no data	no data	no data
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Methylheptane (3)	Methylheptane (4)	Methylhexane (2) {isoheptane}
no data	no data	no data
no data	no data	no data
no data	no data	no data
no data	no data	no data
no data	no data	no data
no data	no data	no data
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Methylhexane (3)	Methylnaphthalene (1-)	Methylnaphthalene (2-)	Methyloctane (4)
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
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no data	no data	no data	no data
no data	no data	no data	no data

Methylpentane (2) {isohexane}	Methylpentane (3)	Monoethanolamine {MEA}
no data	no data	no data
no data	no data	no data
no data	no data	no data
no data	no data	no data
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no data	no data	no data

Morpholine	MTBE {Methyl tert-butyl ether}	Naphthalene
no data	no data	0.000289333
no data	no data	0.000280726
no data	no data	0.000289333
no data	no data	0.000286464
no data	no data	0.000451554
no data	no data	0.000447077
no data	no data	0.000451554
no data	no data	0.000451554
no data	no data	0.000447077
no data	no data	0.000289333
no data	no data	0.000286464
no data	no data	0.000289333
no data	no data	0.000115725
no data	no data	0.000141326
no data	no data	0.000248348
no data	no data	0.000427464
no data	no data	0.000662511
no data	no data	0.00096919
no data	no data	0.001106007
no data	no data	0.001059949
no data	no data	0.000763046
no data	no data	0.00044562
no data	no data	0.000242415
no data	no data	0.000139832

Neopentane {dimethylpropane (2,2)}	Nickel	Nitrates {Propyl nitrate}	Nitrobenzene
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
no data	no data	no data	no data
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no data	no data	no data	no data

Nitromethane	Nonadecane (n)	Nonane (n-)	Octadecane (n)	Octane (n-)	Octanol (1)
no data	no data	no data	no data	no data	no data
no data	no data	no data	no data	no data	no data
no data	no data	no data	no data	no data	no data
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no data	no data	no data	no data	no data	no data
no data	no data	no data	no data	no data	no data

Octene (1)	PACs {Chrysene}	Pentachloroethane	Pentadiene (1,2)	Pentadiene (1,4)
no data	4.1515E-14	no data	no data	no data
no data	4.028E-14	no data	no data	no data
no data	4.1515E-14	no data	no data	no data
no data	4.11033E-14	no data	no data	no data
no data	1.06758E-13	no data	no data	no data
no data	1.057E-13	no data	no data	no data
no data	1.06758E-13	no data	no data	no data
no data	1.06758E-13	no data	no data	no data
no data	1.057E-13	no data	no data	no data
no data	4.1515E-14	no data	no data	no data
no data	4.11033E-14	no data	no data	no data
no data	4.1515E-14	no data	no data	no data
no data	5.68898E-15	no data	no data	no data
no data	8.76598E-15	no data	no data	no data
no data	2.65612E-14	no data	no data	no data
no data	8.32336E-14	no data	no data	no data
no data	2.08425E-13	no data	no data	no data
no data	4.81056E-13	no data	no data	no data
no data	6.33136E-13	no data	no data	no data
no data	5.80662E-13	no data	no data	no data
no data	2.88359E-13	no data	no data	no data
no data	9.13937E-14	no data	no data	no data
no data	2.64737E-14	no data	no data	no data
no data	8.47403E-15	no data	no data	no data

Pentadiene (2,3)	Pentane (n-)	Pentene (1)	Pentyne (1)	Phenanthrene	Phenol	Phosgene
no data	no data	no data	no data	no data	no data	no data
no data	no data	no data	no data	no data	no data	no data
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Picoline (3) {3-methyl pyridine}	Propane	Propanethiol (1)	Propanethiol (2)
no data	no data	no data	no data
no data	no data	no data	no data
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Propyl alcohol (n) {propanol (1)}	Propylamine (n) {1-propanamine}
no data	no data
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no data	no data
no data	no data
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Propylbenzene (n-)	Propylcyclohexane	Propylene
no data	no data	no data
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Propylene glycol (1,2) {1,2 propanediol}	Propylene oxide	Pyridine	Resorcinol
no data	no data	no data	no data
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Styrene	Tetra ethyl lead	Tetrachloroethane (1,1,1,2)	Tetrachloroethane (1,1,2,2)
no data	no data	no data	no data
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Tetrachloroethylene	Tetradecane (n-)	Tetrahydrofuran
no data	no data	no data
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Tetramethylbenzene (1,2,4,5)	Toluene	Toluene diisocyanate
no data	0.0196013	no data
no data	0.0190182	no data
no data	0.0196013	no data
no data	0.01940693	no data
no data	0.02642157	no data
no data	0.02615958	no data
no data	0.02642157	no data
no data	0.02642157	no data
no data	0.02615958	no data
no data	0.0196013	no data
no data	0.01940693	no data
no data	0.0196013	no data
no data	0.01087696	no data
no data	0.01235232	no data
no data	0.01837223	no data
no data	0.02646606	no data
no data	0.03570711	no data
no data	0.04592439	no data
no data	0.05036759	no data
no data	0.04886315	no data
no data	0.03903674	no data
no data	0.02717467	no data
no data	0.01782071	no data
no data	0.01231035	no data

Trichloroethane (1,1,1)	Trichloroethane (1,1,2)	Trichloroethylene
no data	no data	no data
no data	no data	no data
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Trichloropropane (1,2,3)	Tridecane (n-)	Triethanolamine {TEA}
no data	no data	no data
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Trifluoroethane (1.1.2-trichloro-1,2,2)	Trimethylbenzene (1,2,3)
no data	no data
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Trimethylbenzene (1,2,4)	Trimethylbenzene (1,3,5)
0.034454783	no data
0.033429829	no data
0.034454783	no data
0.034113132	no data
0.050962726	no data
0.050457383	no data
0.050962726	no data
0.050962726	no data
0.050457383	no data
0.034454783	no data
0.034113132	no data
0.034454783	no data
0.015505486	no data
0.018450976	no data
0.030534547	no data
0.049256076	no data
0.072536557	no data
0.101148936	no data
0.113724874	no data
0.109488905	no data
0.081943356	no data
0.051063045	no data
0.029737127	no data
0.018303171	no data

Trimethylchlorosilane {chlorotrimethylsilane}	Trimethylcyclohexane (1,1,3)
no data	no data
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Trimethylcyclopentane (1,1,3)	Trimethylpentane (2,2,3)	Trimethylpentane (2,3,4)
no data	no data	no data
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Trimethylpentane (2.3,3)	Undecane (n-)	Vinyl acetate {acetic acid ethenyl ester}
no data	no data	no data
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Vinylidene chloride {1,1-dichloro ethene}	Water	Xylene	Xylene (m-)	Xylene (o-)
no data	no data	0.0464722	no data	no data
no data	no data	0.0450897	no data	no data
no data	no data	0.0464722	no data	no data
no data	no data	0.0460114	no data	no data
no data	no data	0.0653444	no data	no data
no data	no data	0.0646965	no data	no data
no data	no data	0.0653444	no data	no data
no data	no data	0.0653444	no data	no data
no data	no data	0.0646965	no data	no data
no data	no data	0.0464722	no data	no data
no data	no data	0.0460114	no data	no data
no data	no data	0.0464722	no data	no data
no data	no data	0.0234442	no data	no data
no data	no data	0.027196	no data	no data
no data	no data	0.0424622	no data	no data
no data	no data	0.064399	no data	no data
no data	no data	0.0904151	no data	no data
no data	no data	0.1206422	no data	no data
no data	no data	0.1338172	no data	no data
no data	no data	0.1293703	no data	no data
no data	no data	0.1003309	no data	no data
no data	no data	0.0664128	no data	no data
no data	no data	0.0412628	no data	no data
no data	no data	0.0270465	no data	no data

Xylene (p-)	Zinc compounds	Start Date/Time
no data	no data	1/1/2022
no data	no data	2/1/2022
no data	no data	3/1/2022
no data	no data	4/1/2022
no data	no data	5/1/2022
no data	no data	6/1/2022
no data	no data	7/1/2022
no data	no data	8/1/2022
no data	no data	9/1/2022
no data	no data	10/1/2022
no data	no data	11/1/2022
no data	no data	12/1/2022
no data	no data	1/1/2022
no data	no data	2/1/2022
no data	no data	3/1/2022
no data	no data	4/1/2022
no data	no data	5/1/2022
no data	no data	6/1/2022
no data	no data	7/1/2022
no data	no data	8/1/2022
no data	no data	9/1/2022
no data	no data	10/1/2022
no data	no data	11/1/2022
no data	no data	12/1/2022

	VOC PTE (lb/yr)
Existing UST Refuel Tank	11.23
Proposed new AST Refuel Tank	14.76

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.
100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Brian Sweeley
MPLX Terminals LLC - Speedway Terminal
539 S Main St
Findlay, OH 45840

DATE: July 5, 2024

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

SUBJECT: Final Decision
FESOP Administrative Amendment
097-47913-00078

This notice is to inform you that a final decision has been issued for the air permit application referenced above.

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. In addition, the Notice of Decision has been sent to the OAQ Permits Branch Interested Parties List and, if applicable, the Consultant/Agent and/or Responsible Official/Authorized Individual.

The final decision and supporting materials are available electronically; the original signature page is enclosed for your convenience. The final decision and supporting materials available electronically at:

IDEM's online searchable database: http://www.in.gov/apps/idem/caats/ . Choose Search Option **by Permit Number**, then enter permit 47913

and

IDEM's Virtual File Cabinet (VFC): https://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.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, or have difficulty accessing the documents online, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

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Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

July 5, 2024
MPLX Terminals LLC - Speedway Terminal
097-47913-00078

To: Interested Parties

This notice is to inform you that a final decision has been issued for the air permit application referenced above. This notice is for informational purposes only. You are not required to take any action.

You are receiving this notice because you asked to be on IDEM's notification list for this company and/or county; or because your property is nearby the company being permitted; or because you represent a local/regional government entity.

The enclosed Notice of Decision Letter provides additional information about the final permit decision.

The final decision and supporting materials are available electronically at:

IDEM's online searchable database: http://www.in.gov/apps/idem/caats/ . Choose Search Option by Permit Number, then enter permit 47913

and

IDEM's Virtual File Cabinet (VFC): https://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.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit.

Please Note: *If you 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
Final Interested Parties Cover Letter 10/13/2023

Mail Code 61-53

IDEM Staff	CMOSIER 7/5/2024 MPLX Terminals LLC - Speedway Terminal 097-47913-00078 (final)			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
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	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Brian Sweeley MPLX Terminals LLC - Speedway Terminal 539 S Main St Findlay OH 458403229 (Source CAATS) via UPS									
2		Angela Brown Vice President MPLX Terminals LLC - Speedway Terminal 539 S Main St Findlay OH 45840 *(RO CAATS)*									
3		Indianapolis City Council and Mayors office 200 E Washington St, City-County Bldg, Ste 2501 Indianapolis IN 46204 *(Local Official)*									
4		Marion County Commissioners 200 E Washington St, City-County Bldg, Ste 801 Indianapolis IN 46204 *(Local Official)*									
5		Office of Sustainability, Marion County City-County Bldg, 200 E Washington St, Rm 2460 Indianapolis IN 46204 *(Local Official)*									
6		Planning Div., Dept. of Metropolitan Development 200 E Washington St Rm 2042 Indianapolis IN 46204 *(Local Official)*									
7		Marion County Health Department 3838 N Rural St Indianapolis IN 46205 *(Health Department)*									
8		Wayne Township Trustee 5401 W Washington St Indianapolis IN 46241 *(Local Official)*									
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