Ms. Angela Brown, Vice President  
MPLX Terminals, LLC  
TT & R – HES & S  
539 S. Main St.  
Findlay, OH 45840

Dear Ms. Brown:

Re: Approval of Request to Modify  
NPDES General Permit No. ING340065  
MPLX Terminals, LLC, Mount Vernon Terminal  
129 S. Barter St.  
Mount Vernon, IN  
Posey County

Our office has reviewed the NPDES Notice of Intent (NOI) for MPLX Terminals, LLC Mount Vernon Terminal that we received on October 30, 2019, submitted by Norman Phillibert on your behalf. The letter requests modification of your facility’s current NPDES general permit coverage, retaining coverage of Outfall 002 and adding coverage of Outfall 003.

The request has been processed in accordance with Section 402 and 405 of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251, et seq.), and IDEM’s permitting authority under IC 13-15. Coverage for the facility will now include all outfalls listed on the first table of Attachment 1 to this correspondence.

One condition of your permit requires periodic reporting of several effluent parameters. You are required to submit both federal discharge monitoring reports (DMRs) and state Monthly Monitoring Reports (MMRs) on a routine basis. Please note that IDEM no longer accepts paper DMR or MMR forms. All NPDES permit holders are required to submit their monitoring data to IDEM using NetDMR. Please see www.IN.gov/idem/cleanwater/2422.htm or contact Helen Demmings at (317) 232-8815 for more information on NetDMR.

These modifications shall become effective on December 1, 2019, unless a person aggrieved or adversely affected by the acceptance appeals this decision. Coverage under ING340000 for all remaining outfalls remains effective, and will expire on October 31, 2020. In order to receive authorization to discharge beyond the date of expiration, the permittee shall submit such information and forms as required by the Indiana Department of Environmental Management no later than ninety (90) days prior to the date of expiration.
Ms. Angela Brown, Vice President
Page 2 of 3

Please note that IDEM shall serve notice of its decision to modify your facility for coverage under the general permit in accordance with the requirements of 327 IAC 5-3-14. It should also be noted that any appeal must be filed under procedures outlined in IC 13-15-6, IC 4-21.5, and the enclosed Public Notice. The appeal must be initiated by filing a petition for administrative review with the Office of Environmental Adjudication (OEA) within fifteen (15) days of the emailing of an electronic copy of this letter or within eighteen (18) days of the mailing of this letter. A copy must also be served upon IDEM. Addresses are as follows:

Director
Office of Environmental Adjudication
Indiana Government Center North
Room 103
100 North Senate Avenue
Indianapolis, IN 46204

Commissioner
Indiana Department of Environmental Management
Indiana Government Center North
Room 1301
100 North Senate Avenue
Indianapolis, IN 46204

The Office of Environmental Adjudication will provide parties who request review of this acceptance for coverage with notice of prehearing conferences, preliminary hearings, hearing, and stays or orders disposing of all proceedings. Nonparties may receive such notices without intervening and formally becoming parties in the proceeding by requesting copies of such notices from the Office of Environmental Adjudication.

Questions regarding this letter may be directed to Ms. C. Anne Burget of our office at (317) 234-8745 or owqper@idem.IN.gov.

Sincerely,

Catherine Hess
Catherine Hess, Chief
Permits Administration Section
Office of Water Quality

Attachment
cc: Posey County Health Department
    Norman Phillibert, MPLX Terminals, LLC
ATTACHMENT 1

MPLX Terminals, LLC – Mount Vernon Terminal

NPDES PERMIT NO.: ING340065

EFFECTIVE DATE: December 1, 2019

OUTFALLS PERMITTED FOR THIS FACILITY

<table>
<thead>
<tr>
<th>OUTFALL</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>RECEIVING WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>37°, 55’, 30”</td>
<td>-87°, 54’, 31”</td>
<td>Unnamed tributary to the Ohio River</td>
</tr>
<tr>
<td>002*</td>
<td>37°, 55’, 31”</td>
<td>-87°, 54’, 42”</td>
<td>Unnamed tributary to the Ohio River</td>
</tr>
<tr>
<td>003**</td>
<td>37°, 55’, 29”</td>
<td>-87°, 54’, 44”</td>
<td>Unnamed tributary to the Ohio River</td>
</tr>
</tbody>
</table>

*Outfall was previously slated to be removed from coverage, but it will remain in use

**New outfall, constructed in late summer of 2019; usage to commence on or after December 1, 2019
STATE OF INDIANA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

PUBLIC NOTICE NO. 2019 – 11D –GP

DATE OF NOTICE: November 15, 2019

The Office of Water Quality approves the following modification of NPDES GENERAL PERMIT coverage:

MODIFICATION

MPLX Mount Vernon Terminal, NPDES General Permit # ING340065, 129 S Barter Street, Mount Vernon, IN, POSEY COUNTY. This facility has requested modification of its NPDES general permit coverage under ING340000. Outfall 002 will be reactivated and a new Outfall (003) has been added. Modification of coverage becomes effective on December 1, 2019. For more information regarding this modification of coverage please contact Ms. C. Anne Burget at (317) 234-8745 or via email at cburget@idem.in.gov or owqwwper@idem.IN.gov.

Notice of Right to Administrative Review

If you wish to challenge this permit decision, you must file a Petition for Administrative Review with the Office of Environmental Adjudication (OEA), and serve a copy of the petition upon IDEM. The requirements for filing a Petition for Administrative Review are found in IC 4-21.5-3-7, IC 13-15-6-1 and 315 IAC 1-3-2. A summary of the requirements of these laws is provided below.

A Petition for Administrative Review must be filed with the Office of Environmental Adjudication (OEA) within fifteen (15) days of the issuance of this notice (eighteen (18) days if you received this notice by U.S. Mail), and a copy must be served upon IDEM. Addresses are:

Director  Commissioners
Office of Environmental Adjudication  Indiana Department of Environmental Management
Indiana Government Center North  Indiana Government Center North
Room N103  Room 1301
100 North Senate Avenue  100 North Senate Avenue
Indianapolis, Indiana 46204  Indianapolis, Indiana 46204

The petition must contain the following information:

1. The name, address and telephone number of each petitioner.
2. A description of each petitioner’s interest in the permit.
3. A statement of facts demonstrating that each petitioner is:
   a. a person to whom the order is directed;
   b. aggrieved or adversely affected by the permit; or
   c. entitled to administrative review under any law.
4. The reasons for the request for administrative review.
5. The particular legal issues proposed for review.
6. The alleged environmental concerns or technical deficiencies of the permit.
7. The permit terms and conditions that the petitioner believes would be appropriate and would comply with the law.
8. The identity of any persons represented by the petitioner.
9. The identity of the person against whom administrative review is sought.
10. A copy of the permit that is the basis of the petition.
11. A statement identifying petitioner’s attorney or other representative, if any.
Failure to meet the requirements of the law with respect to a Petition for Administrative Review may result in a waiver of your right to seek administrative review of the permit. Examples are:

1. Failure to file a Petition by the applicable deadline;
2. Failure to serve a copy of the Petition upon IDEM when it is filed; or
3. Failure to include the information required by law.

If you seek to have a permit stayed during the administrative review, you may need to file a Petition for a Stay of Effectiveness. The specific requirements for such a Petition can be found in 315 IAC 1-3-2 and 315 IAC 1-3-2.1.

Pursuant to IC 4-21.5-3-17, OEA will provide all parties with notice of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action. If you are entitled to notice under IC 4-21.5-3-5(b) and would like to obtain notices of any pre-hearing conferences, preliminary hearings, hearings, stays, or orders disposing of the review of this action without intervening in the proceeding you must submit a written request to OEA at the address above.

If you have procedural or scheduling questions regarding your Petition for Administrative Review please refer to OEA’s website at http://www.in.gov/oea.
October 23, 2019

Indiana Department of Environmental Management
Office of Water Quality – NPDES General Permits
100 North Senate Avenue, IGCN Room 1255
Indianapolis, IN 46204-2251

Re: NPDES General Permit No. ING340065
MPLX Terminals LLC – Mt Vernon Terminal
129 S. Barter Street, Mt Vernon, IN 47620

To Whom It May Concern:

The NPDES general permit for petroleum products terminals Notice of Intent (NOI) is being submitted for the MPLX Terminals Company LLC – Mt Vernon Terminal.

The Mt Vernon Terminal is implementing a project to improve the water drainage from its north tank farm. The project will construct a new outfall, Outfall 003, to a low point of the tank farm (the drainage point is located to the south east side of the tank farm). In addition, the project will address recognized erosion and put control measures in place.

New Outfall 003

<table>
<thead>
<tr>
<th>Latitude</th>
<th>Longitude</th>
<th>Receiving Stream</th>
</tr>
</thead>
<tbody>
<tr>
<td>37° 55’ 29”</td>
<td>-87 54’ 44”</td>
<td>Tributary to Ohio River</td>
</tr>
</tbody>
</table>

The new Outfall 003 will provide flexibility for water drainage from the Mt Vernon Terminal north tank farm.

The new Outfall 003 location is shown in the enclosed drawing “2018 Grading Project Grading Plan.”

We are working on a sampling plan for the new Outfall 003. The sampling at the new location may be at the discharge line inlet due to the accessibility of the line’s outlet. The accessibility to the new outfall discharge point is not safe due to an uneven surface and the severity of the slope.

Enclosed is the NOI and supporting documentation:

1. IDEM NPDES General Permit NOI Letter Submittal (Form 55919)
2. Analytical Test Results
3. Water Treatment Approval Letters
4. Topographical Maps (two maps on different scales)
5. Site & Flow Diagram Drawing (i.e flow schematic diagram)
6. $50.00 Permit Modification Fee
If you require additional information please contact me at either ngphillibert@marathonpetroleum.com or 317-260-3285.

Sincerely,

[Signature]

Norman Phillibert
Terminals
1304 Olin Ave
Indianapolis, IN 46222

Enclosures

Electronic File: Water/NPDES/Applications
Case Narrative

Certificate of Analysis: 121470

Client Name: Mt. Vernon, IN Light Products
Client Address: 129 South Bailer Street
              Mt. Vernon, IN 47650
Client Contact: Gregory Vance
Lab Contact: Michael Campbell

Project Name: NPDES Monitoring - (105442)
Site: Mt. Vernon Term
Date Reported: 7/5/2016

Unless otherwise specified, all Quality Control data in this report is validated by laboratory quality control protocol consistent with NELAC standards.

Unless otherwise specified by site-specific sampling requirements, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples are chosen at random from an analytical batch of "Like" matrices to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS/MSD are chosen at random, the sample chosen for spike purposes may or may not have been a sample submitted in this project.

The validity of the analytical procedures for which data is reported is determined by the Method Blank (MB) and the Laboratory Control Spike (LCS). The LCS and MB are processed with the samples and MS/MSD to ensure the method criteria are achieved throughout the entire analytical process. For methods in which the calibration curves are processed in the same manner as samples, the Initial Calibration Verification (ICV) and Continuing Calibration Verification (CCV) may be used as an LCS. If insufficient sample is supplied for MS/MSD analyses, an LCS and LCS duplicate (LCSD) pair is reported with the analytical batch and serves as the batch Quality Control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted elsewhere in this Certificate of Analysis (COA).

Laboratory Certifications:
Texas (Primary NELAC): T1004704520-12-1
Florida (Secondary NELAC): E871039
Illinois (Secondary NELAC): 100306
West Virginia: 230
Georgia Stipulation: Laboratory Name: MPC RAD Environmental Analytical Services; Accreditor: TCEQ NELAC;
Scope: NPW and SCM; Expiration Date: June 30, 2016

The following codes are used when reporting data values that either meet the specified description outlined below or do not meet the quality control criteria of the laboratory:

D  Analyte diluted out.
E  Estimated result.
H  Elevated recovery due to sample matrix interference.
I  Elevated reporting limit due to insufficient sample.
J  The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
L  Low recovery due to sample matrix interference.
M  Elevated reporting limit due to matrix interference.
O  Analysis conducted outside of holding time.
U  Result below method detection limit.

Any other exceptions associated with this report are footnoted as appropriate. The chain of custody forms are a part of this report and are traceable to the sample delivery group (SDG) numbers listed herein. This report shall not be reproduced, except in full, without the written approval of this laboratory.

SIGNED: ______________________ Date: 7-5-16

The project manager (Lab Contact) has reviewed and has certified all data in this report to be true and accurate to the best of his/her knowledge.
## Laboratory Analytical Report

**Certificate of Analysis:** 121470

**Sample ID:** 4304968  
**Unit Desc.:** 8052 Mt. Vernon Term  
**Code Desc.:** 1001 Outfall 001 Grab 1  
**Sample Comments:**

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<th>Result</th>
<th>Units</th>
<th>Dilution</th>
<th>PQL</th>
<th>Flag</th>
<th>Analyzed</th>
<th>Analyst</th>
<th>Daily</th>
<th>Acceptance Limits Mo. Avg.</th>
<th>RCRA</th>
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<td>0.005</td>
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<td>VLM</td>
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<td>Benzene</td>
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<tr>
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<td>Xylenes (Total)</td>
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<tr>
<th>Surrogate</th>
<th>% Recovery Flag Analyzed Analyst</th>
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<tbody>
<tr>
<td>s,a,a-Trifluorotoluene</td>
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<th>Ref. Method: EPA 625</th>
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<th>Component</th>
<th>Result</th>
<th>Units</th>
<th>Dilution</th>
<th>PQL</th>
<th>Flag</th>
<th>Analyzed</th>
<th>Analyst</th>
<th>Daily</th>
<th>Acceptance Limits Mo. Avg.</th>
<th>RCRA</th>
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<td>DHS  ____</td>
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<thead>
<tr>
<th>Surrogate</th>
<th>% Recovery Flag Analyzed Analyst</th>
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<tbody>
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<td>2-Fluorophenol</td>
<td>19 08/27/2016 DHS  ____</td>
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<td>Phenol-d6</td>
<td>12 08/27/2016 DHS  ____</td>
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<tr>
<td>Nitrobenzene-d5</td>
<td>39 08/27/2016 DHS  ____</td>
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<tr>
<td>2-Fluorotoluene</td>
<td>42 08/27/2016 DHS  ____</td>
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<td>2,4,6-Tribromophenol</td>
<td>42 08/27/2016 DHS  ____</td>
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<td>4-Terphenyl-d14</td>
<td>46 08/27/2016 DHS  ____</td>
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<tr>
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<th>Ref. Method: SM 4500NH3 G</th>
<th>Batch ID: 100353</th>
<th>Component</th>
<th>Result</th>
<th>Units</th>
<th>Dilution</th>
<th>PQL</th>
<th>Flag</th>
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<th>Daily</th>
<th>Acceptance Limits Mo. Avg.</th>
<th>RCRA</th>
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<tbody>
<tr>
<td>Ammonia</td>
<td>0.28 mg/L 1 0.18 08/22/2016</td>
<td>TMJ  ____</td>
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<tbody>
<tr>
<td>Cyanide, Available</td>
<td>&lt;0.007 mg/L 1 0.007 08/20/2016</td>
<td>MRB  ____</td>
<td></td>
<td></td>
<td></td>
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<th>Batch ID: 100409</th>
<th>Component</th>
<th>Result</th>
<th>Units</th>
<th>Dilution</th>
<th>PQL</th>
<th>Flag</th>
<th>Analyzed</th>
<th>Analyst</th>
<th>Daily</th>
<th>Acceptance Limits Mo. Avg.</th>
<th>RCRA</th>
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<tbody>
<tr>
<td>Cynamide, Total</td>
<td>&lt;0.005 mg/L 1 0.005 08/27/2016</td>
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</tbody>
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Committed to a Quality Environment
## Laboratory Analytical Report

**Certificate of Analysis:** 121470

**Sample ID:** 4304968  
**Unit Desc:** 8062 Mt. Vernon Term  
**Code Desc:** 1001 Outfall 001 Grab 1  
**Sample Comments:**

<table>
<thead>
<tr>
<th>Analysis Name: Biochemical Oxygen Demand</th>
<th>Ref. Method:</th>
<th>SM 5210B</th>
<th>Batch ID:</th>
<th>100405</th>
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<tbody>
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<td>Component</td>
<td>Result</td>
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<td>Dilution</td>
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<td>BOD5</td>
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<th></th>
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<td>Result</td>
<td>Units</td>
<td>Dilution</td>
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</tr>
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<td>Flow</td>
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</tr>
<tr>
<td>pH</td>
<td>7.3</td>
<td>su</td>
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<td>0.0</td>
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<table>
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<th>Analysis Name: Hexane Extractable Materials</th>
<th>Ref. Method:</th>
<th>EPA 1664A</th>
<th>Batch ID:</th>
<th>100350</th>
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<td>Component</td>
<td>Result</td>
<td>Units</td>
<td>Dilution</td>
<td>PQL</td>
</tr>
<tr>
<td>Oil &amp; Grease, Total</td>
<td>$\leq$5.0</td>
<td>mg/L</td>
<td>1.0</td>
<td>5.0</td>
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<tr>
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<th>SM 2540D</th>
<th>Batch ID:</th>
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<td>Component</td>
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<td>Units</td>
<td>Dilution</td>
<td>PQL</td>
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<tr>
<td>TSS</td>
<td>$\leq$5</td>
<td>mg/L</td>
<td>1</td>
<td>5</td>
</tr>
</tbody>
</table>
All must be checked/completed by sampler:

**Monthly Grab Samples** (two times per month)

- [x] TSS (Four Grab Samples) 
  - unpreserved 1 L plastic bottle
- [x] Oil and Grease (Five Grab Samples) 
  - 1 L H2SO4 amber glass bottle

**pH Measurement & Meter Calibration** (once per month)

- Manufacturer/Model: Oakton pHTester 30 
  - S/N: 24577337
- Date: 6-20-16 
  - Time: 11:20 AM
- Calibration buffers (check those used): [x] 4.0 [x] 7.0 [x] 10.0 
  - Lot # for 7.0 cal. buffer: 8897
  - Lot # for 7.0 conf. buffer: 9353
- Confirming QA/QC reading for 7.0 buffer: 7.00 std.units
  - Lot # for 7.0 cal. buffer: 8897
- Discharge Sample Temperature: 27.8 °F/C (please circle one)
- Discharge pH reading: 7.34 std. units 
  - Duplicate pH reading: 7.28 std. units
- Calculation Drift Check Confirming 7.0 cal buffer reading: 6.99 std. units

**Caution:** pH for the confirming 7.0 buffer readings must be +/- 0.1 std. units for passing calibration. If the 7.0 conf. buffer readings are not within this tolerance (6.9 – 7.1), repeat calibration and sampling if necessary. Notify your EP if you're unable to successfully calibrate your meter. Do not proceed.

**Flow**

- [x] Flow recorded: 3
  - Instantaneous Flow* (gallons/minute; gallons/hour; MGD; etc)
  - *Flow may be estimated using the pump rate and length of pumping time

**Sample Delivery**

- [x] Samples placed in cooler

**Sampler:** Adam Roberts 
**Date:** 6-20-16
**Print Name**
**Signature**
**Time:** 6-20-16
**CHAIN-OF-CUSTODY RECORD**

**Client:** MPLX Terminals - Mt Vernon

**Project:** Permit Renewal

**Site:** Mt Vernon IN

**Sample Numbers:**

<table>
<thead>
<tr>
<th>Sample Identification/Location</th>
<th>Date</th>
<th>Time</th>
<th>Water</th>
<th>Matrix</th>
</tr>
</thead>
<tbody>
<tr>
<td>1QT Amber</td>
<td>6-20-2016</td>
<td>12:05P</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>100 ml Plastic</td>
<td>6-20-2016</td>
<td>12:05P</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>100 ml Plastic</td>
<td>6-20-2016</td>
<td>12:05P</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>1QT WM Glass</td>
<td>6-20-2016</td>
<td>12:05P</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>500 ml Plastic</td>
<td>6-20-2016</td>
<td>12:05P</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>500 ml Plastic</td>
<td>6-20-2016</td>
<td>12:05P</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>400 ml VOA</td>
<td>6-20-2016</td>
<td>12:05P</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>1000 ml Plastic</td>
<td>6-20-2016</td>
<td>12:05P</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>500 ml Plastic</td>
<td>6-20-2016</td>
<td>12:05P</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>

**Collected/Relinquished By:**

- **Date:** 6-20-2016
- **Time:** 3:00P
- **Received By:** Eric Inove

**Collected/Relinquished By:**

- **Date:** 6-21-2016
- **Time:** 10:08

**Samples Shipped On Ice:** Yes

**Temperature °C:**

- **Samples Received On Ice:** Yes
- **Temperature °C:** 4.7

**Chain-of-Custody Seal:** Intact

**Requested Turn Around Time / Special Instructions:**
SAMPLE ACCEPTANCE FORM

Client: MT Vernon

Project: OUTFULL CO1 Permit Renewal

Courier: _FedEx _UPS _USPS _Other

Tracking Number: 12 306 456 789 012 345

Custody Seal Present: Yes No

Seal Intact: Yes No

Ice Present: Yes No

Temperature: °C

<table>
<thead>
<tr>
<th>Chain of Custody Present:</th>
<th>Yes _ N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chain of Custody Complete:</td>
<td>Yes _ N/A</td>
</tr>
<tr>
<td>Samples Arrived Within Hold Time:</td>
<td>Yes _ N/A</td>
</tr>
<tr>
<td>Sufficient Sample Volume:</td>
<td>Yes _ N/A</td>
</tr>
<tr>
<td>Correct Type of Container Used:</td>
<td>Yes _ N/A</td>
</tr>
<tr>
<td>Container Intact:</td>
<td>Yes _ N/A</td>
</tr>
<tr>
<td>Filtered Volume Received for Dissolved Tests:</td>
<td>Yes _ N/A</td>
</tr>
<tr>
<td>Sample Labels Match Chain of Custody and Field Log Sheet, if applicable:</td>
<td>Yes _ N/A</td>
</tr>
<tr>
<td>Sample ID Numbers &amp; Descriptions Match on All Labels (print new labels if any ID numbers do not match):</td>
<td>Yes _ N/A</td>
</tr>
<tr>
<td>Correct Preservative Listed on Label:</td>
<td>Yes _ N/A</td>
</tr>
<tr>
<td>Headspace in VOA Vials (&gt; 6 mm):</td>
<td>Yes _ N/A</td>
</tr>
<tr>
<td>Temperature Blank Received? (if no, list method of temperature measurement in comments section):</td>
<td>Yes _ N/A</td>
</tr>
</tbody>
</table>

☐ Check if non-conformity encountered. If box is checked:

Name of project manager notified ___________________________ Date Notified ____________

Project manager was notified: _ Yes _ No Initials of Project Manager ____________

Name of Client notified ___________________________ Date Notified ____________

Comments: __________________________________________

Initials of person checking samples: ES Date: 6.21.13

SDG #: 306230

Revision 04/22/13
Case Narrative

Certificate of Analysis: 122150

Client Name: Mt. Vernon, IN Light Products
Client Address: 129 South Barrier Street
Mt. Vernon, IN 47650

Project Name: NPDES Monitoring - (105442)
Site: Mt. Vernon Term
Date Reported: 7/26/2018

Client Contact: Gregory Vance
Lab Contact: Michael Campbell

Unless otherwise specified, all Quality Control data in this report is validated by laboratory quality control protocol consistent with NELAC standards.

Unless otherwise specified by site-specific sampling requirements, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples are chosen at random from an analytical batch of "Like" matrices to check for possible matrix effect. The MS and MSD will provide site-specific matrix data only for those samples which are spiked by the laboratory. Since the MS/MSD are chosen at random, the sample chosen for spike purposes may or may not have been a sample submitted in this project.

The validity of the analytical procedures for which data is reported is determined by the Method Blank (MB) and the Laboratory Control Spike (LCS). The LCS and MB are processed with the samples and MS/MSD to ensure the method criteria are achieved throughout the entire analytical process. For methods in which the calibration curves are processed in the same manner as samples, the Initial Calibration Verification (ICV) and Continuing Calibration Verification (CCV) may be used as an LCS. If insufficient sample is supplied for MS/MSD analyses, an LCS and LCS duplicate (LCSD) pair is reported with the analytical batch and serves as the batch Quality Control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted elsewhere in this Certificate of Analysis (COA).

Laboratory Certifications:
Texas (Primary NELAC): T104704520-12-1  Florida (Secondary NELAC): E871039  Illinois (Secondary NELAC): 100306
West Virginia: 230
Georgia Stipulation: Laboratory Name: MPC RAD Environmental Analytical Services; Accreditor: TCEQ NELAC;
Scope: NPW and SCM; Expiration Date: June 30, 2017

The following codes are used when reporting data values that either meet the specified description outlined below or do not meet the quality control criteria of the laboratory:

D  Analyte dilute out.
E  Estimated result.
H  Elevated recovery due to sample matrix interference.
I  Elevated reporting limit due to insufficient sample.
J  The reported value is below the laboratory method detection limit and the laboratory practical quantitation limit.
L  Low recovery due to sample matrix interference.
M  Elevated reporting limit due to matrix interference.
O  Analysis conducted outside of holding time.
U  Result below method detection limit.

Any other exceptions associated with this report are footnoted as appropriate. The chain of custody forms are a part of this report and are traceable to the sample delivery group (SDG) numbers listed herein. This report shall not be reproduced, except in full, without the written approval of this laboratory.

SIGNED: [Signature]
DATE: 7-26-14

The project manager (Lab Contact) has reviewed and has certified all data in this report to be true and accurate to the best of his/her knowledge.
### Laboratory Analytical Report

**Certificate of Analysis:** 122150

**Sample ID:** 4305344  
**Unit Desc:** 0002 Mt. Vernon Term  
**Code Desc:** 2001 Giulietti 002 Grab 1  
**Sample Comments:**

**Date Sampled:** 07/11/2016 13:45  
**Date Received:** 07/12/2016 08:46  
**Sample Metric:** Aqueous  
**SDG:** 200674 - 07/12/2016

### Analysis Name: Metals by ICPMS

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
<th>Units</th>
<th>PQL</th>
<th>Flag</th>
<th>Analyzed</th>
<th>Analyst</th>
<th>Daily</th>
<th>Acceptance Limits</th>
<th>Mo. Avg.</th>
<th>RCRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead</td>
<td>&lt;0.005</td>
<td>mg/L</td>
<td>1</td>
<td>0.005</td>
<td>07/13/2016</td>
<td>VLM</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
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</tbody>
</table>

### Analysis Name: Volatile Organics by GC

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
<th>Units</th>
<th>PQL</th>
<th>Flag</th>
<th>Analyzed</th>
<th>Analyst</th>
<th>Daily</th>
<th>Acceptance Limits</th>
<th>Mo. Avg.</th>
<th>RCRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene</td>
<td>&lt;1</td>
<td>ug/L</td>
<td>1</td>
<td>1</td>
<td>07/14/2016</td>
<td>BLS</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>&lt;1</td>
<td>ug/L</td>
<td>1</td>
<td>1</td>
<td>07/14/2016</td>
<td>BLS</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>m- and p-Xylenes</td>
<td>&lt;2</td>
<td>ug/L</td>
<td>1</td>
<td>2</td>
<td>07/14/2016</td>
<td>BLS</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>o-Xylene</td>
<td>&lt;1</td>
<td>ug/L</td>
<td>1</td>
<td>1</td>
<td>07/14/2016</td>
<td>BLS</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>Toluene</td>
<td>&lt;1</td>
<td>ug/L</td>
<td>1</td>
<td>1</td>
<td>07/14/2016</td>
<td>BLS</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>Xylenes (Total)</td>
<td>&lt;3</td>
<td>ug/L</td>
<td>1</td>
<td>3</td>
<td>07/14/2016</td>
<td>BLS</td>
<td>...</td>
<td>...</td>
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<td>...</td>
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**Surrogate**  
<table>
<thead>
<tr>
<th>Component</th>
<th>% Recovery</th>
<th>Flag</th>
<th>Analyzed</th>
<th>Analyst</th>
<th>Daily</th>
<th>Acceptance Limits</th>
<th>Mo. Avg.</th>
<th>RCRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>a,a,a-Trifluorotoluene</td>
<td>102</td>
<td>BLS</td>
<td>07/14/2016</td>
<td>...</td>
<td>...</td>
<td>...</td>
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<td>...</td>
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</table>

### Analysis Name: Semi-Volatiles by GC/MS

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
<th>Units</th>
<th>PQL</th>
<th>Flag</th>
<th>Analyzed</th>
<th>Analyst</th>
<th>Daily</th>
<th>Acceptance Limits</th>
<th>Mo. Avg.</th>
<th>RCRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene</td>
<td>&lt;10</td>
<td>ug/L</td>
<td>1</td>
<td>10</td>
<td>07/13/2016</td>
<td>BWK</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
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</table>

**Surrogate**  
<table>
<thead>
<tr>
<th>Component</th>
<th>% Recovery</th>
<th>Flag</th>
<th>Analyzed</th>
<th>Analyst</th>
<th>Daily</th>
<th>Acceptance Limits</th>
<th>Mo. Avg.</th>
<th>RCRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Fluoroophenol</td>
<td>19</td>
<td>BWC</td>
<td>07/13/2016</td>
<td>BWK</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>Phenol-d6</td>
<td>13</td>
<td>BWK</td>
<td>07/13/2016</td>
<td>BWK</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>Nitrobenzene-d5</td>
<td>17</td>
<td>BWK</td>
<td>07/13/2016</td>
<td>BWK</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>2,4,6-Trifluorobenzophenol</td>
<td>41</td>
<td>BWK</td>
<td>07/13/2016</td>
<td>BWK</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>4-Terphenyl-d14</td>
<td>42</td>
<td>BWK</td>
<td>07/13/2016</td>
<td>BWK</td>
<td>...</td>
<td>...</td>
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### Analysis Name: Colorimetric Nitrogen Ammonia

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
<th>Units</th>
<th>PQL</th>
<th>Flag</th>
<th>Analyzed</th>
<th>Analyst</th>
<th>Daily</th>
<th>Acceptance Limits</th>
<th>Mo. Avg.</th>
<th>RCRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia</td>
<td>0.20</td>
<td>mg/L</td>
<td>1</td>
<td>0.16</td>
<td>07/13/2016</td>
<td>MRB</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
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</table>

### Analysis Name: Amperometric Cyanide Analysis

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
<th>Units</th>
<th>PQL</th>
<th>Flag</th>
<th>Analyzed</th>
<th>Analyst</th>
<th>Daily</th>
<th>Acceptance Limits</th>
<th>Mo. Avg.</th>
<th>RCRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyanide, Available</td>
<td>&lt;0.007</td>
<td>mg/L</td>
<td>1</td>
<td>0.007</td>
<td>07/13/2016</td>
<td>MRB</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
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</table>

### Analysis Name: Colorimetric Cyanide Analysis

<table>
<thead>
<tr>
<th>Component</th>
<th>Result</th>
<th>Units</th>
<th>PQL</th>
<th>Flag</th>
<th>Analyzed</th>
<th>Analyst</th>
<th>Daily</th>
<th>Acceptance Limits</th>
<th>Mo. Avg.</th>
<th>RCRA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyanide, Total</td>
<td>&lt;0.005</td>
<td>mg/L</td>
<td>1</td>
<td>0.005</td>
<td>07/22/2016</td>
<td>TMJ</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

---

**Committed to a Quality Environment**

Page 2 of 3
<table>
<thead>
<tr>
<th>Analysis Name: Biochemical Oxygen Demand</th>
<th>Ref. Method: SM 5210B</th>
<th>Batch ID: 100612</th>
<th></th>
</tr>
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<tbody>
<tr>
<td>Component</td>
<td>Result</td>
<td>Units</td>
<td>Dilution</td>
</tr>
<tr>
<td>BOD5</td>
<td>7</td>
<td>mg/L</td>
<td>1</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Analysis Name: Field Testing</th>
<th>Ref. Method:</th>
<th>Batch ID: 0</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Component</td>
<td>Result</td>
<td>Units</td>
<td>Dilution</td>
</tr>
<tr>
<td>Flow</td>
<td>0.0072</td>
<td>MGD</td>
<td>1</td>
</tr>
<tr>
<td>pH</td>
<td>8.8</td>
<td>su</td>
<td>1</td>
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<table>
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<tr>
<th>Analysis Name: Hexane Extractable Materials</th>
<th>Ref. Method: EPA 1664A</th>
<th>Batch ID: 100543</th>
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</thead>
<tbody>
<tr>
<td>Component</td>
<td>Result</td>
<td>Units</td>
<td>Dilution</td>
</tr>
<tr>
<td>Oil &amp; Grease, Total</td>
<td>&lt;5.0</td>
<td>mg/L</td>
<td>1.0</td>
</tr>
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<table>
<thead>
<tr>
<th>Analysis Name: Non-Filterable Residue</th>
<th>Ref. Method: SM 2540D</th>
<th>Batch ID: 100541</th>
<th></th>
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<tbody>
<tr>
<td>Component</td>
<td>Result</td>
<td>Units</td>
<td>Dilution</td>
</tr>
<tr>
<td>TSS</td>
<td>&lt;5</td>
<td>mg/L</td>
<td>1</td>
</tr>
</tbody>
</table>
Marathon Petroleum Mt Vernon, IN LPTerminal
129 S Barter St, Mt Vernon, IN 47620, Posey County
Sample Point – Outfall 002
NPDES Field Log Form
Permit ING340065 11/1/2014 – 10/31/2019

All must be checked/completed by sampler:

Monthly Grab Samples  (two times per month)

☒ TSS (Four Grab Samples)  unpreserved 1 L plastic bottle
☒ Oil and Grease (Five Grab Samples)  1 L H2SO4 amber glass bottle

pH Measurement & Meter Calibration  (once per month)

Manufacturer/Model:  OXION 30  S/N:  2452337

Date:  2/11/16  Time:  12:00

Calibration buffers (check those used)  ☒ 4.0  ☒ 7.0  ☒ 10.0  Lot # for 7.0 cal. buffer  8974

Confirming QA/QC reading for 7.0 buffer:  ______ std.units  Lot # for 7.0 conf. buffer  ______

☒ Discharge Sample Temperature:  71  °F  (please circle one)

☒ Discharge pH reading:  7.25  std.units  ☐ Duplicate pH reading:  7.7  std.units

☐ Calibration Drift Check Confirming 7.0 cal buffer reading:  ______ std.units

Caution: pH for the confirming 7.0 buffer readings must be +/- 0.1 std. units for passing calibration. If the 7.0 conf. buffer readings are not within this toleration (6.9 – 7.1), repeat calibration and sampling if necessary. Notify your EP if you’re unable to successfully calibrate your meter. Do not proceed.

Flow:

☒ Flow recorded  5,751  Instantaneous Flow* (gallons/minute; gallons/hour; MGD; etc)

*Flow may be estimated using the pump rate and length of pumping time

Sample Delivery

☒ Samples placed in cooler

Sampler:  Steven D. Lyon  Date:  2/11/16

Print Name

Signature

Time:  7/11/16
**CHAIN-OF-CUSTODY RECORD**

**SDG #** 200674  
**Client/Project ID#**

**SHIP TO:**  
MARATHON PETROLEUM COMPANY LP  
REFINING ANALYTICAL & DEVELOPMENT  
ENVIRONMENTAL LABORATORIES  
11631 U.S. RT. 23  
CATLETTSBURG, KY 41129  
Telephone: (606) 921-2649  
Fax: (606) 921-2580

**SHIPPED FROM:**  
MLX Terminals LLC - Mt Vernon  
129 S. Barter St.  
Mt Vernon IN 47620

**Client:** MLX Terminals LLC - Mt Vernon  
**Contact:** Norman Phillibert  
**Phone:** 317-260-3285  
**Preservative Codes (In addition to Cool, 4°C):**  
HC = HC1 to pH < 2 / SA = H2SO4 to pH < 2  
NR = None Required / NA = HNO3 to pH < 2  
CN = Cyanide / NaOH to pH > 12  
S = Sulfide / NaOH to pH > 9 / Zinc Acetate  
O = Other  
**Project:** ARDS Renewal  
**Site:** Mt Vernon

**Mail Report To:** Norman Phillibert  
**Fax:** 317-260-2857

**Send Invoice To:**  
P.O. Number:

<table>
<thead>
<tr>
<th>RAD EMIS SAMPLE NUMBER</th>
<th>SAMPLE IDENTIFICATION/LOCATION</th>
<th>DATE</th>
<th>TIME</th>
<th>MATRIX</th>
</tr>
</thead>
<tbody>
<tr>
<td>4305344</td>
<td>1st Amber Outfall 002</td>
<td>7-11-16</td>
<td>1:45P</td>
<td>✓</td>
</tr>
<tr>
<td>100ml Plastic</td>
<td>002 7-11-16 1:45P</td>
<td>✓</td>
<td>1</td>
<td>x</td>
</tr>
<tr>
<td>100ml Plastic</td>
<td>002 7-11-16 1:45P</td>
<td>✓</td>
<td>1</td>
<td>x</td>
</tr>
<tr>
<td>1st W/M Glass</td>
<td>002 7-11-16 1:45P</td>
<td>✓</td>
<td>2</td>
<td>x</td>
</tr>
<tr>
<td>500ml Plastic</td>
<td>002 7-11-16 1:45P</td>
<td>✓</td>
<td>1</td>
<td>x</td>
</tr>
<tr>
<td>500ml Plastic</td>
<td>002 7-11-16 1:45P</td>
<td>✓</td>
<td>1</td>
<td>x</td>
</tr>
<tr>
<td>400ml VOA</td>
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<td>x</td>
</tr>
<tr>
<td>1000ml Plastic</td>
<td>002 7-11-16 1:45P</td>
<td>✓</td>
<td>1</td>
<td>x</td>
</tr>
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**Collected/Relinquished By:**  
**Date:** 7-11-16  
**Time:** 3:30PM

**Received By:** Thomas  
**Date:** 7-12-16  
**Time:** 9:46

**Samples Shipped On Ice?**  
**Temperature °C**

**Collected/Relinquished By:**  
**Date:**  
**Time:**  
**Received By:**

**Samples Received On Ice?**  
**Temperature °C**

**Chain-of-Custody Seal:**  
**Requested Turn Around Time / Special Instructions:**

**DISTRIBUTION:** WHITE COPY – To accompany shipment  
CANARY – Extra copy  
PINK COPY – Remains with the originator/sampler

Form 6136 Rev. 11/10
**SAMPLE ACCEPTANCE FORM**

Client: [Name]  
Project: [Project Name]  
Renewal

Courier:  
FedEx  
UPS  
USPS  
Other

Tracking Number: [Number]

Custody Seal Present: ✓Yes  
No  
Seal Intact: ✓Yes  
No

Ice Present: ✓Yes  
No  
N/A  
Temperature: 5.6

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<td>Samples Arrived Within Hold Time:</td>
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<td>Sufficient Sample Volume:</td>
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<td>Correct Type of Container Used:</td>
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<td>Filtered Volume Received for Dissolved Tests:</td>
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<td>Sample Labels Match Chain of Custody and Field Log Sheet, if applicable:</td>
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<td>Sample ID Numbers &amp; Descriptions Match on All Labels (print new labels if any ID numbers do not match):</td>
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<td>Correct Preservative Listed on Label:</td>
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<td>Headspace in VOA Vials (&gt; 6 mm):</td>
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<td>Temperature Blank Received? (if no, list method of temperature measurement in comments section):</td>
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☐ Check if non-conformity encountered. If box is checked:

Name of project manager notified  
Date Notified  

Project manager was notified: ✓Yes  
No  
Initials of Project Manager  

Name of Client notified  
Date Notified  

Comments:  

Initials of person checking samples: [Name]  
SDG # 200679  
Date: 7/12/14

Revision 04/22/13
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VIA ELECTRONIC MAIL

May 15, 2017

Ms. Angela Brown
MPLX Terminals, LLC
539 S. Main St.
Findlay, OH 45840

Re: Water Treatment Additive Approval
NPDES Permit No. ING340065
MPLX Terminals, LLC – Mt. Vernon Terminal
129 S. Barter St.
Mt. Vernon, IN
Posey County

Dear Ms. Brown:

Thank you for the email letter submitted to our office on May 10, 2017 by Norman Phillibert on your behalf, requesting the approval to use a new water treatment additive at the MPLX Mt. Vernon Terminal. The water treatment chemical submitted for review from Sunbelt Chemicals is muriatic acid, which is composed of hydrochloric acid and water, and will be used to reduce the pH of the storm water on site so it can be released from the site.

The water treatment additive listed above is approved for use at the MPLX Mt. Vernon Terminal based upon the information submitted in the application for approval to use water treatment additives. This additive is approved for use only when it is used consistent with the information provided in the application and does not violate any terms and conditions of your NPDES permit.

If you have any questions regarding this letter, please contact Ms. C. Anne Burget at (317) 234-8745 or cburget@idem.in.gov.

Sincerely,

Nicole Gardner, Chief
Industrial NPDES Permit Section
Office of Water Quality

CC: Norman Phillibert, MPLX Terminals, LLC
W. Greg Moore, MPLX Terminals, LLC
August 16, 2017

Mr. Timothy J. Aydt
MPLX Terminals LLC
TT&K-HES&S
539 S Main St
Findlay, OH 45840

Re: Water Treatment Additive Approval
NPDES Permit Coverage No. ING340065
MPLX Terminals LLC- Mt Vernon Terminal
129 S. Barter Street
Mt. Vernon, Indiana
Posey County

Dear Mr. Aydt:

Our office has received a letter dated May 9th, 2017, from Mr. Norman Phillibert, and an accompanying Application for Approval to Use Water Treatment Additives (Indiana State Form 50000) dated May 11, 2017, signed by Ms. Angela S. Brown. Both are from MPLX Terminals LLC, writing on your behalf. The submittals are requesting approval to use a new water treatment additive, BioSafe Systems GreenClean Liquid 5.0, with the discharges from Outfall 001 and Outfall 002 at MPLX Terminals’ Mt Vernon Terminal. The additive will be used as an algacide / fungicide/ bactericide.

Based on the information provided on Indiana State Form 50000 and the GreenClean Liquid 5.0 MSDS sheets, both the hydrogen peroxide and peroxyacetic acid which compose the additive disassociate to water and oxygen in the presence of sunlight and organic material (algae, cyanobacteria, bacteria, and fungus). The fast rate of product degradation in the environment is expected to bring the discharge concentration of the additive down to 0 after 24 hours, during which time the water will be held prior to discharge to give the product time to fully react.

Since the water treatment additive will be fully disassociated by the time the wastewater is discharged through Outfall 001 our office has no objections to its use as proposed in the May 9th request. BioSafe Systems GreenClean Liquid 5.0 is approved for use at the MPLX Terminals Mt Vernon Terminal consistent with the information provided in the submittal materials and with the condition that its use does not cause a violation of any term or condition of your NPDES permit.
If you have any questions regarding this letter, please contact Ms. Sheri L. Jordan of our staff at (317) 232-8703 or you may contact us via email at owqwwper@idem.IN.gov.

Sincerely,

Nicole Gardner

Nicole Gardner, Chief
Industrial NPDES Permit Section
Office of Water Quality

Sjj/
cc:  Ms. Angela S. Brown, MPLX Terminals LLC
     Mr. Norman Phillibert, MPLX Terminals LLC
     Mr. Heath Dill, IDEM
65-42 PS
Board of County Commissioners-Chair
P.O. Box 745
Mt Vernon, IN 47620
65-42 PS
Countrymark Cooperative, Inc
225 South East Street
Suite 405
Mt Vernon, IN 47620

65-42 PS
William Alumbaugh
100 Barter St
Mt Vernon, IN 47620
65-42 PS
Lawrence D. Alumbaugh
100 Barter St
Mt Vernon, IN 47620

65-42 PS
Kenneth and Ruth Alldredge
114 Barter St
Mt Vernon, IN 47620

65-42 PS
J & J Welding
1114 W 4th Street
Mt Vernon, IN 47620

65-42 PS
Culley, John Wayne & Elizabeth
201 Parke Street
Mt Vernon, IN 47620

65-42 PS
Robert P McBride
1108 W 2nd St
Mt Vernon, IN 47620

65-42 PS
Mayor's Office
520 Main St
Mt Vernon, IN 47620

65-42 PS
Cargill, Inc
P.O. Box 4626
Minneapolis, MN 55440

65-42 PS
Jack Miners
104 Barter St
Mt Vernon, IN 47620

65-42 PS
Lauren Waters
110 Barter St
Mt Vernon, IN 47620

65-42 PS
Country Club Condo Unit Owners Assn
1644 Country Club Road
Mt Vernon, IN 47620

65-42 PS
Juncker Bros Sales & Service
1601 Mackey Ferry Road
Mt Vernon, IN 47620

65-42 PS
SABIC Innovative Plastics
Mt Vernon LLC
One Lexan Lane
Mt Vernon, IN 47620

65-42 PS
U-Pile It Self Storage
309 Main Street
P.O. Box 716
Mt Vernon, IN 47620

65-42 PS
Shawn Duckworth
1112 W 2nd St
Mt Vernon, IN 47620