GENERAL INFORMATION:
Name: MPLX Terminals LLC - Lexington Terminal
Address: 1770 Old Frankfort Pike, Lexington, KY 40504
Date application received: 8/10/2021
SIC Code/SIC description: 5171, Petroleum Bulk Stations and Terminals (except petroleum sold via retail method)
Source ID: 21-067-00031
Agency Interest: 1076
Activity: APE20210001
Permit: F-22-005

APPLICATION TYPE/PERMIT ACTIVITY:
[ ] Initial issuance  [ ] General permit
[ ] Permit modification  [x] Conditional major
    __Administrative  [ ] Title V
    __Minor  [ ] Synthetic minor
    __Significant  [x] Operating
[x] Permit renewal  [ ] Construction/operating

COMPLIANCE SUMMARY:
[ ] Source is out of compliance  [ ] Compliance schedule included
[x] Compliance certification signed

SOURCE APPLICABLE REQUIREMENTS LIST:
[ ] NSR  [x] NSPS  [x] SIP
    __Non-Attainment  [x] NESHAPS  [ ] Other
    __PSD  [ ] CAM
    __Netted out of PSD/NSR
    __Not major modification per 401 KAR 51:001, 1(114)(b)

MISCELLANEOUS:
[ ] Acid rain source
[ ] Source subject to 112(r)
[ ] Source applied for federally enforceable emissions cap
[ ] Source provided terms for alternative operating scenarios
[x] Source subject to a MACT standard
[ ] Source requested case-by-case 112(g) or (j) determination
[ ] Application proposes new control technology
[x] Certified by responsible official
[ ] Diagrams or drawings included
[ ] Confidential business information (CBI) submitted in application
[ ] Pollution Prevention Measures
[ ] Area is non-attainment (list pollutants):
EMISSIONS SUMMARY:

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>2020 Actual (tpy)</th>
<th>Potential (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOx</td>
<td>0.0</td>
<td>3.12</td>
</tr>
<tr>
<td>CO</td>
<td>0.0</td>
<td>17.0</td>
</tr>
<tr>
<td>VOC</td>
<td>17.6</td>
<td>44.5*</td>
</tr>
</tbody>
</table>

Hazardous Air Pollutants (HAPs)

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>2020 Actual (tpy)</th>
<th>Potential (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2,4 – Trimethylpentane</td>
<td>0.09</td>
<td>0.13*</td>
</tr>
<tr>
<td>Benzene</td>
<td>0.10</td>
<td>0.31*</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>0.02</td>
<td>0.04*</td>
</tr>
<tr>
<td>Hexane; n-Hexane</td>
<td>0.19</td>
<td>0.55*</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>0.0002</td>
<td>0.01*</td>
</tr>
<tr>
<td>Toluene</td>
<td>0.15</td>
<td>0.46*</td>
</tr>
<tr>
<td>Xylenes (Total)</td>
<td>0.06</td>
<td>0.20*</td>
</tr>
<tr>
<td>Source-wide HAPs or Combined HAPs</td>
<td>0.41</td>
<td>1.69*</td>
</tr>
</tbody>
</table>

Greenhouse Gases (GHGs)

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>2020 Actual (tpy)</th>
<th>Potential (tpy)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrous Oxide</td>
<td>0.0</td>
<td>0.304</td>
</tr>
<tr>
<td>Carbon Dioxide (CO₂)</td>
<td>0.0</td>
<td>7,114</td>
</tr>
<tr>
<td>Methane</td>
<td>0.0</td>
<td>0.304</td>
</tr>
<tr>
<td>CO₂ Equivalent (CO₂e)</td>
<td>0.0</td>
<td>7,212</td>
</tr>
</tbody>
</table>

*Based on federally-enforceable limitations

SOURCE DESCRIPTION:

MPLX Terminals LLC owns and operates a terminal in Lexington, Kentucky called MPLX Terminals LLC – Lexington Terminal (MPLX). The terminal receives product by pipeline, stores the product in tanks, and then loads the product to tank trucks for distribution.

The Lexington Terminal is a bulk storage facility that receives gasoline, fuel oil, and kerosene by pipeline and stores the products in above ground storage tanks (note that jet fuel is considered a subset of kerosene). Occasionally, a tank truck loaded with gasoline or other product may be returned and off-loaded into a storage tank. However, this is not a routine operation. Ethanol, additives, and diesel dye are received by tanker truck and are injected into the product at the loading racks. All products are shipped out by tank trucks, which are loaded at the loading racks. The facility also has a small oil-water separator and other miscellaneous equipment.
**RENEWAL (APE20210001):**
On August 10, 2021, the Division for Air Quality (Division) received the MPLX application for renewal of their Conditional Major Permit.

As part of this renewal, MPLX is updating their methodology for calculating the potential emissions from the tanks at the facility.

**OFF-PERMIT CHANGE (APE20170003):**
On August 24, 2017, the Division received the MPLX application for an off-permit change. The facility is replacing Tank 821 – Gasoline Additive storage tank with Tank 837. The new tank is similarly sized (approximately 10,000 gallons) and will also be an insignificant activity.

**EMISSIONS AND OPERATING CAPS DESCRIPTIONS:**

MPLX will continue to operate under federally enforceable limits of 9 tons per year (tpy) or less of single hazardous air pollutants (HAPs), 22.5 tpy of less of combined HAPs, and 90 tpy or less of volatile organic compounds (VOC). Compliance with these permit limits shall make the requirements of 401 KAR 52:020, Title V permits, not applicable to this source.

**OPERATIONAL FLEXIBILITY:**

The source is not restricted as to hours of operation or quantity of product produced while remaining within the caps above.