Buckeye Pipeline
Line 402 Discharge

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Scott Frosch, IDEM On-Scene Coordinator
April 25, 2019
Initial Response Timeline

September 7, 2018
1953 hours: Buckeye Partners reported a 180-barrel jet fuel discharge from a Buckeye pipeline in Decatur, IN/St. Mary’s River to the National Response Center (#1223952)
Initial Response Timeline

September 8, 2018

0100 hours: First meeting with responders and Buckeye at Decatur Fire Department.

0200 hours: First UC meeting. START began air monitoring.

0200-1000 hours:
- Established ICP
- Continued air monitoring
- Started water quality monitoring and downstream reconnaissance
- Response ramping up

1000 hours: First Command & General Staff meeting
Unified Command

- EPA
- IDEM
- Adams County
- City of Decatur
- Buckeye Pipeline
<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th>Mixture</th>
<th>Ingredient name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Straight run kerosene</td>
<td></td>
<td>Kerosene (petroleum), hydrosulfurized</td>
<td>8008-20-6</td>
<td>0-100</td>
</tr>
<tr>
<td>Kerosene (petroleum), hydrosulfurized</td>
<td></td>
<td>2-(2-methoxyethoxy)ethanol</td>
<td>64742-81-0</td>
<td>0-100</td>
</tr>
<tr>
<td>2-(2-methoxyethoxy)ethanol</td>
<td></td>
<td>Ethylbenzene</td>
<td>111-77-3</td>
<td>0.1-0.15</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td></td>
<td></td>
<td>100-41-4</td>
<td>&lt;0.15</td>
</tr>
</tbody>
</table>

**Hazardous Ingredient(s)**

<table>
<thead>
<tr>
<th>Hazardous Ingredient(s)</th>
<th>Common name / Synonyms</th>
<th>CAS No.</th>
<th>% wt./wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerosine (petroleum)</td>
<td>Kerosene</td>
<td>8008-20-6</td>
<td>60-100</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>Not available.</td>
<td>91-20-3</td>
<td>1-5</td>
</tr>
<tr>
<td>Benzene, dimethyl-</td>
<td>Xylene</td>
<td>1330-20-7</td>
<td>1-5</td>
</tr>
<tr>
<td>Benzene, ethyl-</td>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>0.1-1</td>
</tr>
<tr>
<td>Benzene</td>
<td>Not available.</td>
<td>71-43-2</td>
<td>0.1-1</td>
</tr>
<tr>
<td>Benzene, methyl-</td>
<td>Toluene</td>
<td>108-88-3</td>
<td>variable</td>
</tr>
<tr>
<td>Hydrogen sulfide (H2S)</td>
<td>Hydrogen sulphide</td>
<td>7783-06-4</td>
<td>variable</td>
</tr>
</tbody>
</table>
Water Monitoring

- pH
- Dissolved oxygen
- Conductivity
- Temperature
- Oxidation-reduction potential
Damaged Wildlife
Municipal Well Sampling

- VOC
- PAH
SCAT

- 48 Priority Cleanup Areas (PCA) identified
Debris Removal
Metrics

- 8,190 gallons (195 barrels) discharged
- 56,669 gallons petroleum-impacted water recovered (4,654 gallons LNAPL estimated)
- 38.21 tons of soil excavated
- 23.38 tons of absorbents
- 20.07 tons of debris
- 13 miles of river cleaned/restored
Questions?