WEST SHORE PIPELINE RELEASE
JACKSON, WISCONSIN

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WEST SHORE PIPELINE RELEASE

- Reported to NRC on July 18, 2012
- 1,000 barrels of gasoline reported released from 10 inch pipeline
- Pipeline shut down due to pressure drop
- West Shore Pipeline (Buckeye Partners) mobilized Incident Command Team set up command post at terminal north side of Milwaukee
West Shore Pipeline Release

- Opened Federal Project number (FPN). U.S. EPA and Weston Solutions respond to release
- WNDR responder Scott Ferguson on scene
- Incident Management Team from West Shore at command post.
- Incident Action Plan with Incident Objectives established for next operational period
- No gasoline observed in surface waters or nearby creek
SOIL EXCAVATION NO PRODUCT OBSERVED
PIPELINE REPAIR
PIPELINE REPAIR
WELL INSTALLATION AND GROUND WATER MONITORING WELLS
10 INCH PIPELINE LIES ON TOP OF BEDROCK
# Air Monitoring Tables and Reporting

## Summary of Real-Time Air Monitoring Results - July 19, 2012

### Community

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Instrument</th>
<th>Number of Readings</th>
<th>Number of Detectors</th>
<th>Minimum Value</th>
<th>Maximum Value</th>
<th>Average Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzene (ppm)</td>
<td>MNRI</td>
<td>32</td>
<td>9</td>
<td>0.3</td>
<td>0.9</td>
<td>0.6</td>
</tr>
<tr>
<td>TOX (%)</td>
<td>MNRI</td>
<td>18</td>
<td>0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>VOC (ppm)</td>
<td>MNRI</td>
<td>36</td>
<td>13</td>
<td>0.3</td>
<td>37.2</td>
<td>9.3</td>
</tr>
<tr>
<td>NOx (ppm)</td>
<td>MNRI</td>
<td>3</td>
<td>0</td>
<td>0.1</td>
<td>0.3</td>
<td>0.1</td>
</tr>
</tbody>
</table>

### Community-Fixed Station

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Instrument</th>
<th>Number of Readings</th>
<th>Number of Detectors</th>
<th>Minimum Value</th>
<th>Maximum Value</th>
<th>Average Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC (ppm)</td>
<td>MNRI</td>
<td>515</td>
<td>15</td>
<td>0.1</td>
<td>0.7</td>
<td>0.2</td>
</tr>
<tr>
<td>NOx (ppm)</td>
<td>MNRI</td>
<td>3</td>
<td>0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

### Residential Sidewalk

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Instrument</th>
<th>Number of Readings</th>
<th>Number of Detectors</th>
<th>Minimum Value</th>
<th>Maximum Value</th>
<th>Average Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CO (ppm)</td>
<td>SM2</td>
<td>5</td>
<td>0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>TOX (%)</td>
<td>MNRI</td>
<td>10</td>
<td>0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>VOC (ppm)</td>
<td>MNRI</td>
<td>36</td>
<td>10</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
</tr>
<tr>
<td>NOx (ppm)</td>
<td>MNRI</td>
<td>2</td>
<td>0</td>
<td>0.2</td>
<td>0.2</td>
<td>0.2</td>
</tr>
</tbody>
</table>

### Source

<table>
<thead>
<tr>
<th>Analysis</th>
<th>Instrument</th>
<th>Number of Readings</th>
<th>Number of Detectors</th>
<th>Minimum Value</th>
<th>Maximum Value</th>
<th>Average Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC (ppm)</td>
<td>MNRI</td>
<td>52</td>
<td>13</td>
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<td>66.0</td>
<td>15.6</td>
</tr>
<tr>
<td>Benzene (ppm)</td>
<td>MNRI</td>
<td>36</td>
<td>14</td>
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<td>0.7</td>
<td>0.2</td>
</tr>
<tr>
<td>CO (ppm)</td>
<td>雩</td>
<td>9</td>
<td>0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
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<td>2</td>
<td>0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

* ppm = parts per million
* ppt = parts per billion
* NA = not applicable
AIR MONITORING
AIR MONITORING IN COMMUNITY

Legend
- Release Site
- Monitoring Location
- Buckeye Pipeline

Manually Logged Real-Time Monitoring
July 18, 2012

Buckeye Pipeline
Jackson, WI

40336

Print Date: 7/19/2012
TRANSITION FROM EMERGENCY TO GROUND WATER MONITORING/CLEAN-UP

- U.S. EPA on-scene coordinator transitions from Emergency Phase of incident, OSC Micke departs July 22, 2012
- WDNR Scott Ferguson WDNR Milwaukee Responder and Ground water Section of WDNR ground water section Zoe McManama continue to lead monitoring/cleanup efforts
- 296 wells sampled
  - 14 with benzene; 11 above the MCL
- 70 homes with filter systems
- 83 ground water recovery (remediation) wells installed
GROUND WATER PLUME
WEST SHORE PIPELINE RELEASE

- Websites set up to update residents

http://www.jacksonwisconsinresponse.com/
QUESTIONS /COMMENTS

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