

## **H2016-0301 Marathon Pipeline 1150 Barrel Diesel Release Impacting the Wabash and Ohio Rivers**

### **Summary of IEPA-OER/EOU Activities:**

4/17/2016

- IEPA Received NRC 1145495, reported diesel sheen from an unknown source by Marathon Pipeline (MPL), on Sunday April 17<sup>th</sup>, 2016. Basic Responsibilities were to gather information on the incident and develop a response strategy going forward.
  - IEPA Duty Officer contacted MPL for additional information.
    - Sheen was reported as bank to bank and 12 to 15 miles in length. Citizen Complaints at the I-64 Bridge described the sheen as a diesel odor.
  - IEPA PWS-FOS was notified of the ongoing situation. Notifications to all PWS facilities on the Wabash and Ohio Rivers were initiated. (The only PWS intake in Illinois was on the Ohio River at Cairo.)
- IEPA Duty Officer was contacted by USEPA DO, Len Zintak.
- IEPA received NRC 1145511, called in by MPL, which was an update of the previous report with the potential release of 1150 Barrels of Diesel Fuel from a 10 Inch transmission line. The suspect transmission line runs from Robinson, IL to Mt. Vernon, IN.
  - IEPA Duty Officer contacted Marathon Pipeline for clarification of the amount released.
    - Volume was based on the elevation profile of the suspect pipeline as it traveled under the Wabash River.
    - It had not been confirmed that there was a release from the suspect pipeline.
    - Marathon was activating their Corporate IMT and had sent multiple Oil Spill Removal Organizations (OSROs) to the incident site.
  - Based on information provided by MPL, it was decided that an IEPA response would be initiated in the morning of 4/18/2016.

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- IEPA/OER/EOU dispatched two Emergency Responders/On-Scene Coordinators to the incident command post, established at the Windsor Oaks Hotel, Grayville, White County. Additional responders and field operations staff were deployed to the incident as well. IEPA had a total of 4 personnel onsite.
  - IEPA EOU responders integrated into Unified Command (UC) that consisted of USEPA-OSC, IDEM-OSC, IEPA-OSC, PHMSA, and MPL.
  - 1500 RRT Conference Call, It was determined by UC that the sheen/plume on the Wabash River was moving too fast to control or recover. River conditions were in flood stage and the Wabash River current was estimated at 6 to 7 MPH, making it dangerous to deploy deflection boom and initiate product recovery. The plume had traveled 87 river miles in roughly 30 hours.
  - The best course of action was to monitor the plume as it traveled down the Wabash and Ohio Rivers, notifying all intakes and potential receptors downstream.

- It appeared that the release to the Wabash had stopped or been reduced, although the source of the leak had not been determined at the time, there was semi-defined trailing edge of the plume identified in the Wabash River. IEPA Staff assisted in the identification/evaluation of the river conditions with IDEM, USEPA and MPL.
- IEPA Staff used shared data from ORSANCO and MPL to aid in notifying downstream receptors/intakes.
- IEPA participated in a fly-over of the impacted area via helicopter.
- Unified Command (UC) began planning cycle for objectives and goals for the following days, which included;
  - Determining the location of the leak, Pressure testing the suspect pipeline, monitoring the plume, modeling dispersion and evaporation estimates of the plume, Shoreline Cleanup Assessment Teams (SCAT)
    - IEPA, along with other members of Unified Command, provided input and assistance for all operations that impacted or potentially impacted the Wabash River
    - Procedures were drawn up and planned for practice run of the SCAT process that would occur on 4/19/2016.
    - IEPA participated in the development and approval of the SCAT plan

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- IEPA and Unified Command help develop review the following plans;
  - Soild Waste Management & Disposal Plan
  - Liquid Waste Disposal Plan
  - Surface Water Sampling Plan
  - Shoreline Cleanup & Assessment Team Plan (SCAT)
  - SCAT Closure and River Evaluation Events to occur in May 2016
  - Evaluated Natural Resource Damage Assessment (NRDA) Reports to determine if there were critical threatened or endangered species in the impacted area.
  - Several Incident Action Plans (IAPs) based on 24 and 48 hour operating periods
- IEPA Staff conducted fly over assessments of the Wabash and Ohio Rivers
- IEPA Staff participated in SCAT assessments of 105 river segments of the Wabash River. SCAT teams consisted of State, Federal, and MPL personnel.
- IEPA UC Staff assisted MPL, USEPA, PHMSA, IDEM and other agencies in managing the incident to a reasonable conclusion, declaring that the emergency phase of the incident had ended on Friday April 22.
- IEPA continues oversight of the project phase and remaining cleanup. The incident is currently being transferred to IEPA-BOW-FOS. EOU continues to advise as requested.