



Stantec Consulting Services Inc.

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June 15, 2015

Mr. Paul Atkociunas, OSC
U.S. Environmental Protection Agency, Region 5
Emergency Response Branch, Response Section # 4
77 West Jackson Blvd. (SE-5J)
Chicago, Illinois 60604

RE: Monthly Progress Report
May 15, 2015 to June 14, 2015
BP Products North America Incorporated
Site # 215 - Indianapolis Terminal
2500 North Tibbs Avenue
Indianapolis, Marion County, Indiana 46222
Stantec Project No.: 182612296

Dear Mr. Atkociunas:

This monthly progress report has been prepared by Stantec Consulting Services Inc. (Stantec) on behalf of BP Products North America, Inc. (BP). The progress report has been prepared in compliance with paragraph V.39 of the Administrative Order (the Order).

1. The May 2015 monthly progress report was submitted to Mr. Paul Atkociunas, On-Scene Coordinator (OSC) for the United States Environmental Protection Agency (U.S. EPA), via e-mail on May 15, 2015.
2. Progress Made This Reporting Period:
 - Conducted the monthly manual light non-aqueous phase liquid (LNAPL) recovery on May 22, 2015;
 - Investigated electrical issues within the control panel on May 27 and 28, 2015. Newterra, the subcontractor who built the control panel for the groundwater extraction and treatment system, was on site to troubleshoot electrical issues. Newterra was able to correct the electrical issues and also determined that the effluent meter needed to either be replaced or recalibrated by the manufacturer;
 - Conducted the monthly Little Eagle Creek surface water sampling events on June 1, 2015; and
 - Started the Second Quarter Groundwater Sampling event on June 10, 2015. This event is scheduled to be completed on June 19, 2015.

Difficulties Encountered and Corrective Actions Taken:

During the reporting period, the Pump and Treat system was operational for 55% of the time. The unscheduled down time is described below:



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- A high-high alarm on the equalization tank caused the system to shut down on May 16 and 21, 2015 and June 10, 2015. The high-high condition was caused by reduced flow due to particulate loading in the bag filters. The system resumed operation within one (1) business day for both shut downs.
- A low pressure alarm on the equalization tank caused the system to shut down on May 24, 2015. The float that controls pump operation became stuck in the "on" position. This caused the pump to trip the low pressure alarm once the water level dropped below the intake.
- The system alarm call out function was found inoperable during system checks on May 29, 2015. The system checks were being completed to confirm proper operation after Newterra modified wiring in the control panel and made changes to the programming of the programmable logic controller (PLC). The system was shut down until the call out function was repaired. Repairs were completed and the system was returned to operation on June 5, 2015.

3. Anticipated Activities:

- a. Continue to provide oversight and documentation support to the OSC;
- b. Perform the Little Eagle Creek monthly surface water sampling event, weather permitting;
- c. Replacement or re-calibration of effluent flow meter for the GWET system;
- d. Continue demonstration of effectiveness of upgraded system;
- e. Complete Second Quarterly Groundwater Sampling event; and
- f. Continue monthly LNAPL recovery and operation and maintenance (O&M) of the GWET.

4. Deliverables:

Deliverable	Date Due	Date Delivered
Monthly Progress Report - May	5/15/2015	5/15/2015
Proposed Surface Water and Groundwater Sampling Locations Addendum	5/22/2015	5/22/2015
First Quarter Groundwater Monitoring Report	5/29/2015	5/29/2015



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If you have any questions or require additional information please contact Bruno Mancini of BP at (216) 271-8852, or John McInnes of Stantec at (317) 876 8375, extension 226.

Sincerely,

STANTEC CONSULTING SERVICES, INC.

Prepared by:

A handwritten signature in blue ink, appearing to read "Kyle Amberger".

Kyle Amberger, LPG
Project Geologist

Reviewed by:

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James M. Kerr, Jr., LPG
U.S. ES Discipline Lead

Approved by:

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John W. McInnes, LPG
Managing Principal Geologist

cc: Bruno Mancini, BP