



SOVEREIGN CONSULTING INC.

February 28, 2014

Ms. Jeanette DeBartolomeo
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard, Suite 620
Baltimore, MD 21230

Re: **DPVE System: Temporary System Shut-Down Proposal**
Pilot Travel Center #290
31 Heather Lane
Perryville, Maryland
MDE Case # 97-0699CE

Dear Ms. DeBartolomeo,

This letter serves as a proposal to temporarily shut down the Dual Phase Vapor Extraction (DPVE) system at the Pilot Travel Center in Perryville, Maryland. On February 28, 2014, our field technician visited the site for the weekly operations and maintenance (O&M) site visit. The system was off on arrival, likely due to a suspected failed capacitor on the vacuum blower. Upon examination, it was verified that the system ran for about 5 days after our last O&M site visit; the system likely shut down Wednesday, February 26, 2014. A new capacitor will be ordered and installed as soon as possible after delivery.

Our field technician gauged both of the system wells during his site visit; depth to water (DTW) in MW-2 was 13.14 feet with a slight sheen; DTW in MW-8 was 12.48 feet. Water levels in both system wells are below the casing. There is no possibility of LPH above casing. LPH has not been detected in MW-8 since August of 2012, regardless of system operation status. MW-8 was turned offline on April 26, 2013 due to an unusually shallow DTW (3.87 feet). The shallow DTW was eventually attributed to a leak in the water lines leading out to the diesel pump dispenser islands. The water line was shut off on October 9, 2013. Since turning this well back on line in November 8, 2013, we have drawn the water down from 4.57 feet to 12.48 feet. LPH has not been measured in MW-8 during weekly gauging events. MW-2 has had a maximum measurement of 0.01 feet of product since December 13, 2013. Please see the attached well gauging data.

As the system is likely to be down an additional week or more, Sovereign proposes a temporary system shut down to monitor for rebound of LPH in the system wells. During the temporary system shut down, we will continue to gauge system wells weekly and all monitoring wells on site monthly. We will ensure water levels remain below the casing



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in the system wells. Should LPH levels reach 0.1 feet, the DPVE system will be restarted and product recovery will resume.

If you have any questions or require further information, please do not hesitate to call me at 856-325-2099.

Regards,

Sovereign Consulting Inc.

Jacquelyn Cuneo
Staff Engineer

CC: Jennifer Williams, Sovereign