From: David Rusczyk
To: Martella, Joseph (DEM)
Subject: [EXTERNAL] : RE: Tidewater Remedy
Date: Friday, February 28, 2020 10:15:18 AM

Hi Joe,

As requested, the following clarifies which existing monitoring wells will be abandoned as part of the remedy for the Tidewater project and which wells will be included in the natural attenuation monitoring and NAPL recovery programs.

There are 68 existing monitoring wells at the Site. We are proposing to abandon 29 of these 68 wells which leaves 39 existing monitoring wells.

As part of the remedial work, we will install 4 monitoring wells downgradient of the containment wall and 1 in the North Fill Area resulting in a total of 44 monitoring wells. In addition, a total of 14 recovery wells will be installed (6 recovery wells upgradient of the wall and 7 recovery wells south of the transmission towers).

The NAPL recovery program will be focused at 17 of the existing monitoring wells (MW-210, MW-3, MW-312S, MW-313S, MW-313D, MW-326S, MW-335S, MW-335D, M&E MW-5, MW-4, MW-303, MW-339S, MW-33D, MW-341, MW-1, MW-320S, and MW-320D) and the 13 new recovery wells. The NAPL gauging and recovery program will be performed quarterly for the 1st year after installation of the containment wall. After the 1st year, the frequency of the NAPL gauging and recovery activities will be modified to semi-annual (twice per year). Subsequent modifications to the frequency will be based on observations made and subject to RIDEM approval. When measurable amounts of NAPL are no longer detected in a well in the NAPL recovery program after 1 year of gauging, the monitoring well will be added into the natural attenuation monitoring program.

The natural attenuation monitoring program will include the following 27 monitoring wells: MW-7, MW-310S, MW-310D, MW-311, MW-201, MW-208, MW-312D, MW-326D, MW-333S, MW-333D, M&E MW-2, MW-6, MW-109, MW-314S, MW-314D, MW-316S, MW-316D, MW-337, MW-107, MW-318S, MW-334S, MW-334D and the 5 new monitoring wells. As discussed, the groundwater samples collected from the initial sampling round after implementation of the remedy (baseline) will be analyzed for the MADEP EPH/VPH method. Groundwater samples from well locations exhibiting elevated initial EPH/VPH concentrations will continue to be analyzed for the MADEP EPH/VPH method. Groundwater samples will be collected from these monitoring wells on an annual basis for 5-years. After 5-years, the number of wells in the sampling program and the frequency of sampling will be re-evaluated and potentially modified, subject to approval by RIDEM.

Also, we do plan on installing a vapor barrier below the new control house.

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