

## MEMORANDUM

**TO:** MassDEP

**FROM:** Timothy Clinton, CPG, LSP

**DATE:** January 27, 2023

**RE:** Phase II Conceptual Scope of Work  
66 Leverett Road, Shutesbury MA  
RTN 3-21489

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In 2021, a release of oil and hazardous materials (OHM), including VPH Ranges in soil, was identified in the vicinity of a former Air Force very high frequency omni-directional range (VOR) facility including a radio tower located on the southern portion of the property at 66 Leverett Road, Shutesbury, Massachusetts (the Site). In January 2022, the disposal site was reported to MassDEP. Concurrent to this document, the disposal site is being classified Tier I due to confirmed groundwater impacts proximal to private drinking water wells.

The conceptual Phase II Scope of Work to support comprehensive characterization of the nature and extent of the release condition includes the following elements:

- Quarterly groundwater monitoring using low-flow procedures is planned to begin in Q1 2023 to assess the nature and extent, as well as seasonal variation, for petroleum and metals impacts in groundwater. There are currently five monitoring wells used to characterize the Disposal Site and the results of the initial groundwater assessment were presented in the accompanying Phase I ISI Report. Future data will likely be used to support exposure point concentration (EPC) calculations and characterization or risk to human and environmental receptors.
- Groundwater monitoring activities will include measurement of water table elevations and hydraulic gradient to evaluate fluctuations in groundwater flow direction relative to nearby private drinking water wells.
- Visual inspection of wetlands and surface water features adjacent to the Disposal Site will be conducted to observe the presence or absence of petroleum impacts (i.e. sheening) concurrent to quarterly groundwater monitoring activities. Visual observations will be photographed and documented. If evidence of contaminant discharge to surface water receptors is identified, surface water sampling may be conducted.
- The installation of additional groundwater monitoring wells to the existing monitoring well network may be warranted based on the results of future groundwater monitoring activities.

It is anticipated that quarterly groundwater monitoring, and installation of additional groundwater monitoring wells, if required, will be conducted in 2023. The need for further investigatory and/or remedial response actions will be evaluated at the conclusion of a full year of monitoring activities. It is anticipated that the results of the monitoring activities will be documented in a future Phase II Comprehensive Site Assessment.