

Memo

To: Coakley Executive Committee
From: Jillian Harris and Peter Britz
Date: November 30, 2023
Re: Activity report

GMZ PERMIT

Work on updating the GMZ permit is nearing finalization. The new application will include new overburden wells to the West which have been recently installed and sampled. The application will be finalized based on results of data from new wells and confirmation that the western edge is clean. WSP estimates that this work will be completed by the end of the year.

Southern Well Installation Workplan

The access agreement for the southern well installation just South of North Road, that includes nominal compensation, has been executed by the property owners and the Chair. WSP is coordinating installation that is estimated January or February 2024.

Water Service Connections

We are awaiting a quote from the contractor for the property owner on Breakfast Hill Road regarding the cost to install a fire service water line which will be installed concurrently with the domestic water line. This quote will include water services (domestic and fire) from the water main on the opposite side of Breakfast Hill Road under the road onto the property at 399 Breakfast Hill Road.

Surface Water Evaluation

Submitted to the agencies on April 27 this workplan will address comments specific to surface water groundwater interaction provided by EPA in response to the submitted Deep Bedrock study. EPA submitted a response to the CLG on August 22, 2023 that outlines a chronology of the investigation and actions to date and issues additional comments and recommendations. A meeting to discuss the comments and recommendations was held September 28, 2023 and a field visit was conducted on November 2, 2023 to review leachate seep locations and stormwater sampling locations. WSP is revising the workplan in response to EPA comments. Additional work is being scheduled to coincide with the fall monitoring event that includes locating additional piezometers, adding seepage meters for the collection of porewater samples and groundwater flux data and surface water sampling. WSP is investigating drone technology for temperature profiling or infra-red scanning for evidence of groundwater discharge to surface water. This will aid in locating additional piezometers in areas that show evidence of groundwater discharge to surface water.

WSP Fall Groundwater Monitoring Services Contract

WSP has submitted the fall groundwater monitoring services proposal for review. The proposal totals \$174,227.90 and includes additional costs for an agency site visit and the addition of transducers and piezometers as requested by EPA in response to the Surface Water Evaluation workplan. These additional tasks total \$13,726.07. The remaining tasks are

standard fall monitoring tasks including groundwater and surface water sampling, data validation and reporting and total \$160,501.83, which represents an increase of approximately 34% over the 2022 fall monitoring contract total of \$119,990.00. (The proposal is attached as *Coakley Fall Groundwater and Surface Water Services.pdf*)

WSP Fall 2022 Groundwater Monitoring Services Contract Amendment

WSP submitted a contract amendment request for the Fall 2022 Groundwater Monitoring Services. The amendment is to cover additional labor required to finalize the 2022 Annual Report. The total additional amount requested is \$5,503.87. (The proposal is attached as *Fall GW Services Amendment.pdf*)