



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 1 – NEW ENGLAND
5 POST OFFICE SQUARE – SUITE 100
BOSTON, MASSACHUSETTS 02109-3912

Via Electronic Mail

August 13, 2019

Mr. Peter Britz, Environmental Planner
City of Portsmouth Planning Department
1 Junkins Avenue
Portsmouth, NH 03801

RE: Coakley Landfill Superfund Site
July 24, 2019, *Deep Bedrock Well Couplet - Final Well Construction Recommendations: MW-20, MW-21, and MW-22*

Dear Mr. Britz:

The United States Environmental Protection Agency (USEPA), is in receipt of the July 24, 2019, letter *Deep Bedrock Well Couplet – Final Well Construction Recommendations: MW-20, MW-21, and MW-22* (the “Final Recommendations Letter”) prepared by CES, Inc., on behalf of the Coakley Landfill Group (CLG), and submitted in response to comments issued by the USEPA on March 27, 2019, and May 23, 2019.

Pursuant to paragraph 37(b) of the Consent Decree, USEPA, after consultation with the New Hampshire Department of Environmental Services (NHDES), approves the well completion recommendations detailed in the Final Recommendations Letter, subject to the following conditions:

1. After further consideration of the flow dynamics identified in borehole MW-21D and given the detectable levels of 1,4-dioxane and PFOA measured in fracture zone #1 during packer interval sampling, CLG shall construct a monitoring well with a 10-foot screen to isolate fracture zone #1 at 20-30 feet below ground surface (bgs) in MW-21D. This zone shall be completed in place of zone #3, and along with zone #7 at 297-307 feet as a nested pair of small-diameter wells. Isolating zone #1 will allow for consistent monitoring of this fracture to confirm the packer interval sampling data, or to demonstrate that there may be some interconnection between this shallow fracture zone and the overburden groundwater.
2. Monitoring well MW-22 shall be constructed as a nested pair of small-diameter (1.25 to 1.5-inch) monitoring wells utilizing 10-foot well screens within bedrock zone #6, at 211 – 217 feet bgs, as previously recommended, and within zone #2 at 75-85 feet. Given that MW-22D will not be available in the future for monitoring as an open borehole to allow

versatility in monitoring, completing with two wells will at least allow for discrete monitoring of flow and contaminants at multiple locations within the borehole.

If you have any questions or comments regarding this letter, you can contact me at (617) 918-1882 or Hull.Richard@epa.gov.

Sincerely,

Richard W. Hull

Richard W. Hull, Remedial Project Manager
New Hampshire and Rhode Island Superfund Program

cc: Andrew Hoffman, NHDES
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