

Soil sampling was performed along the earthen berm surrounding the reservoir to assess the suitability for reuse of the soil on-site following demolition of the reservoir. Using the sampling results and following DNREC guidelines, a risk-based assessment was completed that contemplated various land use scenarios that would come in contact with site soils, including:

- People living on the land (residential land use);
- People using the land for gardening (soil contact only);
- People maintaining the land, such as landscapers;
- People redeveloping the land, such as construction workers; and
- Incidental use of the land, including recreational use and trespassing.

These scenario-based risk calculations follow both EPA and DNREC protocols. The results of the calculations indicate that, with the exception of residential use, all scenarios are acceptable under the regulation, that is, there is no increased cancer or non-cancer risk associated with this site. The residential scenario is the most conservative and envisions someone growing up at the site 350 days a year for 26 years, which is not a future site use.

Based on these findings, Verdantas and DNREC agreed on the following plan: a Contaminated Materials Management Plan and an Air Monitoring Work Plan be implemented during demolition activities as a conservative measure. Additionally, following regrading and stabilization activities, shallow soil conditions will be resampled and evaluated to ensure protection of site users.

An Environmental Monitoring Work Plan was submitted to DNREC on October 27, 2023 for review.

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