

DATE: 1/20/2023

FILE REF: 02-13-587341

TO: Meeting Participants

FROM: Luke Lampo

SUBJECT: RockGen Technical Assistance Meeting on 12/9/2022

12/9/2022 RockGen Technical Assistance Meeting

Attendance:

Luke Lampo – WDNR

Issac Ross – WDNR

Jeff Ramey – TRC

Marshal Tofte – TRC

Ken Quinn – TRC

Dennis Oehring – RockGen

Agenda:

Available on [BRRTS](#)

Background

The Department of Natural Resources (WDNR) met with TRC and RockGen on 12/9/2022 to discuss site investigation progress, conceptual site model updates, and proposed next steps for the open environmental repair case tracked under BRRTS# 02-13-587341. RockGen and TRC requested a Technical Assistance Meeting with the applicable fee which led to this December meeting. Discussion notes are below.

Activities Completed Since 9/2021 Site Investigation Report:

- Five multiport wells have been installed.
- Quarterly groundwater sampling of multiport wells, monitoring wells, and piezometer.
- Interim actions were completed and a documentation report was submitted to WDNR in October 2022.

Groundwater Conceptual Site Model:

- TRC presented a groundwater conceptual site model (CSM) with the assistance of Environmental Visualization System (EVS) software.
- WDNR noted additional groundwater investigation is needed in the northwest portion of the Site, upgradient of MW-01. The degree and extent of PFAS groundwater contamination upgradient of MW-01 is poorly defined as the CSM suggests the stormwater retention pond and forested area are potential sources of PFAS contamination.
 - Discussion of where to install monitoring/multiport wells included installing a multiport well just downgradient of the stormwater retention pond and installing a monitoring well upgradient of the stormwater retention pond. Pending access agreements, the monitoring well may be installed on the adjacent property to the north.
- The CSM suggests PFAS impacted groundwater has traveled offsite to the east of MW-05. The adjacent property to the east is currently planned to be developed into a solar farm and the ability

to install monitoring wells in this area is uncertain. TRC has been in constant communication with relevant parties to try and obtain property access.

- If property access is not granted, it was discussed that two multiport wells could potentially be installed south of MW-03 to better extrapolate the degree and extent of PFAS contamination to the east/southeast. Multiport wells south of MW-03 would also provide better definition of the southern degree and extent of groundwater contamination.
- It was agreed upon that any new multiport wells do not need to be as deep as the current multiport wells because the current multiport wells extend past the vertical extent of PFAS contamination. Future multiport wells will still be installed across the vertical extent of PFAS contamination at similar port intervals as existing multiport wells.

Multiport Well Issues:

- The lower ports of multiport well MP05 are inaccessible. Groundwater samples from only the water table interval can be collected.
- Some groundwater samples in the multiport wells have relatively high turbidity which may be causing PFAS results to be biased high.
 - WDNR recommended continued observation and documentation of high turbidity in groundwater samples. The effects of turbidity on PFAS concentrations should be described in detail in future reporting.

Lithology Logging:

- TRC collected gamma ray data in the multiport well boreholes to determine lithology. Results show lithology is relatively flat and is not expected to significantly change across the site. TRC proposed to not collect additional gamma ray data in future boreholes and will log lithology changes based on existing data and field observations. WDNR did not have any immediate concerns with this approach.

Action items:

- WDNR requests a copy of the EVS model.
- WDNR requests that TRC submit an addendum to their 8/2021 Site Investigation Workplan which proposes the installation of additional monitoring and multiport wells for review and comment.