



Protecting Groundwater for Future Generations

Maricopa County - Cave Creek Landfill Remediation Project

Weekly Update for week ending 9/24/2021

Below is a summary of activity that took place for the Cave Creek Landfill project last week.

Phase 3 GWTS (Injection Well and Infrastructure)

- Construction of the GWTS Phase 3 is scheduled to begin 10/04/2021 with completion anticipated in May of 2022.
- Wood reviewed and responded to several equipment and materials submittals and requests for information (RFIs) from Hunter Contracting (construction subcontractor).
- Hunter delivered a construction office connex to the GWTS Phase 3 site on 09/23/2021.

SVE Operations (Source Remediation)

- The SVE system operated throughout the period.
- The connection to well MW-09 with the SVE system was completed 09/10/2021.
 - Vapor extraction from MW-09 began on 09/20/2021.
 - A vapor sample from MW-09 was collected on 09/21/2021 for volatile organic compound (VOC) analysis via EPA Method TO-15.

Drilling Operations

- MW-17
 - Airlift development of MW-17 was conducted from 09/22/2021 to 09/24/2021 to remove residual drilling mud and sediment from the well so that a video to document well conditions could be completed.
 - Layne (drilling subcontractor) video logged the well on 09/25/2021; conditions in the well were conducive to good video quality.
 - No damage to the well casing or screen was noted in the video.
 - The total well depth was approximately 763 feet below ground surface (ft bgs) with screen from 658 to 758 ft bgs.
 - MW-17 will be pumped on 09/27/2021 to purge freshwater added during airlift development and video logging activities and a grab sample will be collected and passive diffusion bags (PDBs) will be deployed for follow up sampling.
 - Demobilization from the MW-17 location is expected to be complete 10/01/2021.
- EW-02 & EW-03
 - Mobilization of equipment to the EW-03 well site will begin following the completion of work at MW-17.
 - Final construction of the EW-02 drilling pad will be completed using fill obtained from the GWTS Phase 3 site.

Communications

Email: cavcreeklandfill@mail.maricopa.gov

- Wood provided Maricopa County and ADEQ with a project update via email on 09/20/2021.
- Wood participated in a monthly project progress update call with Maricopa County on 09/21/2021.

Reporting

- Wood submitted the 2021 3rd Quarter SVE Performance Report to the Maricopa County Air Quality Department on 09/24/2021.

Permitting

- No permitting activities were completed during the period.