



Protecting Groundwater for Future Generations

Maricopa County - Cave Creek Landfill Remediation Project

Weekly Update for week ending 01/20/2023

Below is a summary of activity that took place at the Cave Creek Landfill last week and a lookahead of GWTS Phase 3 construction work taking place in the next 2 weeks.

Phase 3 GWTS (Injection Well and Infrastructure)

- WSP met with a distributor (Western Environmental Equipment) for Mission Communications to discuss remote telemetry and monitoring requirements for the GWTS.
- Upcoming work in the next 3 weeks includes:
 - Finish installation of the ethernet radios at Phase 1 and Phase 3.
 - Complete commissioning the system electrical gear (i.e. service entrance section [SES], motor control center [MCC], sine wave filters and variable frequency drives [VFDs]).
 - complete programming, debugging and testing of the primary logic controller (PLC).
 - Complete system startup and commissioning.

GWTS Operations

- GWTS startup and commissioning began on 01/03/2023 and is expected take 3-4 weeks to complete.
- Routine operations and maintenance (O&M) is anticipated to begin the second week of February.

SVE Operations (Source Remediation)

- Field screening and sampling was performed per the approved SVE Rebound Test Workplan.

Drilling Operations

- WSP continued developing the specifications and request for proposal (RFP) package for drilling and installation of TSSV-08 and MW-14.

Communications

- WSP provided Maricopa County and ADEQ with a project update via email on 01/17/2023.
- WSP provided the 4th Quarter 2022 Groundwater Monitoring results to ADEQ on 01/20/2023.

Sampling

- SGS North America (analytical lab) reported the 4th Quarter 2022 Groundwater monitoring results with an error:
 - The result for monitoring well MW-05 was reported with a result of 3,500 ug/L for trichloroethylene (TCE) however a 50X dilution factor had been incorrectly applied.
 - WSP requested a review of the analytical report and the error was identified and a revised report was issued with a result of 69.9 ug/L for TCE for MW-05.

Email: landfillprojects@maricopa.gov

Reporting

- No reporting activity took place during the reporting period.

Permitting

- The December 2022 Zero Discharge Self Monitoring Report (SMR) was submitted to the City of Phoenix Wastewater Department on 01/20/2022.