



Protecting Groundwater for Future Generations

Maricopa County - Cave Creek Landfill Remediation Project

Weekly Update for week ending 10/1/2022

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)

- Hunter began moving equipment off site.
- APS delivered the transformer to the site.
- On 09/30/2022 APS notified WSP (formerly Wood) that there would be a delay in setting the transformer on the pad and pulling wire:
 - A pull box was to be installed along the electrical line that will power the site.
 - The pull box was not installed because the APS crew that staked the site failed to stake the location in the field.
 - Prior to staking the pull box location, APS is requiring WSP to obtain a Letter of Concurrence from the City of Phoenix (COP) that approves installation of the pull box in the existing easement.
 - WSP has contacted the COP to request a letter of concurrence for the pull box.
- Upcoming work in the next 2 weeks includes:
 - Install meter for potable water service (COP).
 - Install radio antenna for communications between the GWTS Phase 1 and Phase 3 systems.
 - Complete site grading.
 - Obtain a letter of concurrence from the COP.

SVE Operations (Source Remediation)

- The soil vapor extraction (SVE) system operated throughout the period.

Drilling Operations

- Layne (drilling subcontractor) attempted to run tooling down for development of groundwater monitoring well MW-15 but encountered an obstruction in each probe at approximately 28 feet below ground surface.
- Layne video logged the well and noted that the Schedule 80 PVC casing had deformed and formed bubbles that blocked each probe; the suspected cause of the deformation is from the curing process of the concrete that was used to seal the annular space of the well.
- Layne attempted to ream the deformations in each probe using a rock coring bit on 09/29/2022.
- Layne video logged the wells on 10/02/2022 to assess conditions in the probes following the reaming process; the video log indicated several locations with casing missing and the probes open to the annular space and jagged portions of the casing extending in the open area of the probes.

Email: landfillprojects@maricopa.gov

- WSP and Maricopa County are discussing next steps for the groundwater monitoring well.

Communications

- WSP (Formerly Wood) provided Maricopa County and ADEQ with a project update via email on 09/26/2022.

Sampling

- No sampling activities took place during the reporting period.

Reporting

- WSP is preparing a technical memo providing details of a planned SVE system rebound test to assess current vadose zone conditions and optimize SVE operation.

Permitting

- A call between Maricopa County, the COP and WSP to discuss the final permit conditions associated with the industrial users discharge permit is scheduled for 10/06/2022.

Email Change

- Please note that the email for contacting the County regarding this project has changed to: landfillprojects@maricopa.gov

Name Change

- Please note that the name for Wood Environment & Infrastructure Solutions, Inc. is now WSP Global, Inc. There are no changes in project staff.