



December 31st, 2024

Report of Work Completed: 5L Remediation Update

ECMC Location Name (ID)	Savage-67S94W/5NWSW (335007)
Operator Location Name	5L
Spill/Release Point ID	482116
Remediation Project	24100
Location ID	335007
Coordinates (Lat/Long)	39.465038, -107.914348

Derek,

HRL mobilized to the Savage-67S94W/5NWSW (335007) on December 18, 2024, to install the mobile solar powered Soil Vapor Extraction (SVE) unit. Operations and maintenance (O&M) were conducted the same day once the system was running and operational. An emissions sample was collected to determine the initial volume of hydrocarbons removed and submitted for analysis using EPA Method M18-MOD. An initial Photoionization Detector (PID) reading of 2,400 ppm was documented with a flow rate of 117 SCFM.

HRL returned to the facility on December 23, 2024, to conduct additional O&M, and refine system operations. SVE parameters were observed and PID readings increased to 3,914 ppm. An emissions sample was collected to determine the volume of hydrocarbons removed and establish a rate of reduction of contaminant mass.

As of December 23, 2024, the system has operated for 23 hours and has removed an estimated 122 lbs of VOC Emissions based on PID readings, and 84 lbs of Total Petroleum Hydrocarbons (TPH) based on emissions samples. HRL will continue weekly O&M visits and emissions sampling for three more weeks to continue refining the system operations and monitor the effectiveness of the remediation unit.

HRL will return to the facility on January 2, 2024, to anchor the solar panels to the ground using T-posts to prevent wind from damaging the slide bearings.

Attached is the SVE System Performance table which will be routinely updated during system O&M visits.

If you have any additional questions or comments, feel free to reach out.

Thank you,



Mitchell Bond
Staff Environmental Scientist
HRL Compliance Solutions