

Spray-applied gas vapor barrier chosen as VOC protection on former superfund site

The location of the project was a former Superfund site PCE, metals and arsenic contamination in the soil.



PROJECT DETAILS

Meadows @ Riverwalk

Engineer: GeoKinetics, Inc.

General Contractor:
Brad Reynolds Construction

Certified Installer:
Advanced Construction Technologies

LOCATION

Midvale, Utah

PRODUCTS USED

LIQUID BOOT®
Gas Vapor Mitigation System

GEOVENT™ Gas Venting System

The spray-applied application of the LIQUID BOOT® gas vapor barrier ensured the project be completed quickly, and with the application of CETCO's leading quality assurance and control procedures such as smoke testing, CETCO was able to provide a membrane that was ensured vapor tight even with the number of penetrations and foundation complexities.

CHALLENGE:

The multi-family housing project was a HUD development with 256 units. Contaminants from the former Superfund site included PCE, metals, arsenic.

The contractor was given a very competitive number by a CETCO competitor. Once the contract was awarded to Advanced Construction the project was phased out for the 18 buildings which could have been an issue due to mobilizations.

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SOLUTION:

CETCO, the engineer and the approved LIQUID BOOT® installer, worked with the general contractor for over a year to ensure that correct design and installation would allow the project to come in under budget and within the construction schedule. The gas vapor mitigation consisted of installation of 9,500 lineal feet of GEOVENT™ sub-slab ventilation, 111,000 square feet of the LIQUID BOOT® gas vapor mitigation system.

Though competition came in with an aggressive bid, superior technical assistance and professionalism provided by both the installer and CETCO, as well as the level of repore built with the general contractor, locked up the contract.

RESULT:

Advanced Conststruction Technologies experience spraying LIQUID BOOT® for over 10 years allowed their team to finish each phase ahead of schedule to ensure the following subcontractors could mobilize on schedule. The customer was very happy with the professional manner and level of technical support that the LIQUID BOOT® installer and CETCO provided.

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