

Large-Scale Residential Oil Cleanup

Project Cost: \$800,000



Alliance Environmental Group (AEG), an F.W. Webb Co., was contracted to remediate an extensive oil spill at a residential property. The spill resulted from an attempt to fill an aboveground storage tank in the home's basement. Approximately 300 gallons of fuel oil released, impacting the basement, subsurface soils, attached garage, and beyond.

Significant demolition was necessary to remove all impacted soil during remediation activities. The demolition included the garage entryway, set of blue stone stairs, and removal and relocation of both underground utilities and potable water service. AEG was able to address the situation without displacing the residents.

Several engineering controls were required to effectively remove impacted soil under the basement and garage. Notably, nine permanent resistance piers were installed beneath the foundation footing, allowing AEG better access to the impacted area. The removal was completed using a series of methods to maximize efficiency. This included physically digging out the area, as well as moving the impacted soil with a conveyor, soil vactoring, and multiple backhoes and excavators. Approximately 500 tons of impacted soil were removed from the subsurface at the conclusion of the clean-up phase.

AEG also coordinated the restoration of the residence and property, which included: flow-filling the excavation; relocating the power and water services; relocating the landscape shrubs and plants; rebuilding the blue stone stairs; reinstalling the stone façade; backfilling the interior; rebuilding the garage interior; repouring the basement and floors; and repainting the front of the home and garage. All to the delight of the relieved homeowners!



Alliance Environmental Group provides a wide range of environmental testing, remediation, and consultative services. Engineering and scientific experts from Alliance work closely with federal, municipal, institutional, industrial, and commercial customers. Our comprehensive list of professional services covers all your environmental needs, including site assessments; hazardous materials management; regulatory compliance, permitting, and auditing; and much more. Helping clients since 2001, Alliance Environmental Group joined the F.W. Webb Company in 2016. We are committed to addressing your needs cost-effectively and efficiently.

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