

Industrial

SESI's team of highly qualified, business-oriented professionals includes LSRPs, PEs, and PhDs who strive to bring every project to expeditious regulatory closure because we approach every project as a partnership with our clients.

SESI has successfully completed award-winning industrial cleanups in record time, which has resulted in the productive reuse of properties for a variety of different purposes. Our multidisciplinary team utilizes Environmental, Geotechnical, and Site Civil engineering experience to tackle every aspect of challenging and complex projects from the ground down.

Industrial operations in New Jersey are required to comply with environmental regulations. These regulations dictate the cleanup of historic hazardous material releases and impacts caused by past operations. Factors impacting industrial companies range from compliance with environmental permitting obligations to revisiting remediation strategies in order to satisfy the ever-changing site remediation regulations and guidance.

These challenges may range from managing a disparate portfolio of permitting requirements, trying to prioritize and optimize a site remediation program that has been lingering unclosed for decades, navigating the requirements of the New Jersey Industrial Site Recovery Act (ISRA), or simply trying to make more of an impact with the available remediation budget.

Our capabilities can be applied as the primary engineers, as a review agency to ensure remediation strategy optimization, or when others' efforts become stagnant.

Clients Bridge Development, CMC Steel, Crow Holdings, Hartz Mountain, Medline, Okonite, Port Newark Container Terminal, Prologis, Wakefern

Project Experience

Hackensack, NJ: SESI took over this project from another consultant and completed the remediation to make the property development ready within 6 months, and for less than one-third of the previously estimated remediation budget. The site was approximately 3.75-acres in area, was adjacent to the Hackensack River, and was formerly an oil storage and transfer facility, which also included a gasoline and diesel service station. The contamination on the site consisted of LNAPL and its associated dissolved petroleum-related compounds (e.g. BTEXs). Because of the proximity to the river, SESI's investigation and value engineering determined that excavation was the most economical, expeditious, and certain remedy. An injection program was applied post-excavation to treat the dissolved phase in the groundwater. As a result of the remediation that was designed and implemented by SESI, all the site AOCs have been closed and remediated except for the groundwater, which is being addressed with MNA.



1510 Broadway, Brooklyn, NY: This is a New York State Brownfield Cleanup Project (BCP) site. SESI completed the remediation of contaminated and hazardous soils and TCE/PCE impacted groundwater in an expedited timeframe to prepare the site for an affordable housing development. In-situ chemical reduction, in the form of a permeable reactive barrier, was installed using injected Z-MicroZVI to treat a PCE/TCE plume. The soils remediation included the treatment of hazardous lead materials. The remediation of the Site turned a blighted property into a productive development with a vibrant affordable mixed-use building.



This project was awarded the 2023 Big Apple Brownfield Award for Innovative Remediation.