

CASE STUDY

REMEDIATION TECHNOLOGIES



PROJECT: Mott Haven School Campus
LOCATION: Bronx, NY
SQUARE FT: 100,000
APPLICATOR: RESTOR Technologies, Inc., Huntington Station, NY
ENGINEER: The Shaw Group, Inc., New York, NY
PRODUCTS: LIQUI D BOOT®
LIQUI D BOOT® BaseFabric T-60
LIQUI D BOOT® UltraShield P-150

VAPOR MITIGATION CHALLENGES:

The Mott Haven School Campus development, located in the Bronx, New York, recently underwent a series of environmental remediation procedures. At the heart of the concern was the potential of VOCs and BTEXs in the soil left over from the site's former uses as manufacturing facilities.

THE SOLUTION:

Among other remedial activities, a comprehensive spray applied gas vapor barrier with sub-slab depressurization system (SSDS) was designed and recently installed on the site to protect the school and its occupants from vapor intrusion. The LIQUID BOOT® gas vapor barrier was successfully installed in approximately 16 weeks. The barrier met and exceeded strict chemical resistance and diffusion testing requirements, and was designed to conform to stringent quality control testing procedures, including smoke testing; ensuring a vapor tight seal beneath the building. The use of a gas vapor barrier ensured the school was protected from any potential sub slab vapor intrusion issues. Additionally, the system was fundamental to the remediation design and integral in ensuring the site met the environmental health and safety requirements.

OTHER JOBSITE IMAGES:



Completed gas vapor membrane (foreground) and other sections (background) due to receive membrane in following phases of construction.



The installed spray-applied gas vapor membrane attaching to the piles themselves and conforming to the haunch.



Other trade installations commencing on top of completed membrane, which has been covered with a protection layer.

CETCO provides a complete range of vapor mitigation and remediation products for soil, water, and sediment.



Remediation Technologies

1001 S. Linwood Avenue • Santa Ana, CA 92705 USA • Ph: 714.384.0111 • www.cetco.com