

Presentation – Information Flyer

LIQUID
BOOT®

Date: TBD
Time: TBD

Presentation consists of:

- Technical Data
- Case Studies
- Application Types
- Lunch/Breakfast

Please Contact:

Heather Martin, EAI Inc.

(201) 395-0010 ext. 257

www.eaienviro.com

www.liquidboot.com

LIQUID BOOT® Gas Vapor Barriers

LIQUID BOOT® is a cold, spray-applied gas vapor membrane widely used at Brownfield and Landfill Redevelopments to prevent vapor intrusion into buildings. Through case studies, design review, and discussion the presentation aims to educate engineers, developers, and regulators on the various types and uses of gas mitigation systems under buildings.



Droyer's Point
Jersey City, NJ

The LIQUID BOOT® spray-applied gas vapor membrane system was installed to 100,000 square feet. The 23-acre site, developed by K. Hovnanian Homes, includes 30 three-story townhouse buildings situated along the New Jersey shoreline. As a precaution against residual soil vapors, K. Hovnanian Homes and ENVIRON Intl' designed a comprehensive Vapor Mitigation System (VMS), including LIQUID BOOT® impermeable gas vapor membrane and an "active" venting system. LIQUID BOOT® allows for fast installation while achieving a vapor-tight seal around numerous penetrations in the foundation.



Walkers Brook Home Depot
Reading, MA

Walker's Brook is a mixed-use development built on a former landfill. Methane levels were found 50% by volume. Haley & Aldrich specified LIQUID BOOT® and an active gas venting system to mitigate the threat of methane vapor intrusion. The design was submitted and approved by the MA North East Regional DEP. The total installation was 175,000 square feet of the LIQUID BOOT® gas vapor barrier under the slab. The foundation design consisted of over 1,000 piles, in which the LIQUID BOOT® membrane effectively sealed to. Smoke testing was performed.



School 198x
Bronx, NY

The New York City School Construction Authority calls for the use of gas vapor barriers at all new schools built within the city. With its 30 year project history without any failures, the Liquid Boot system is one of the only products approved by the NYCSCA to prevent from gas vapor intrusion. Along with a venting system, the Liquid Boot membrane helps manage any of the city's future liabilities, helping to ensure the schools built today are open for 50+ years. Approved LIQUID BOOT® applicator, EAI, Inc. has installed gas vapor membranes for the SCA in every borough and site throughout the city.



Wal-Mart
Ithaca, NY

Wal-Mart in Ithaca is part of a major brownfield redevelopment, converting 15 acres of former industrial land wasteland into a thriving retail development, providing jobs for the community and tax revenue for the city. With a combination of residual VOC and Methane concerns at the site, the Liquid Boot vapor barrier was coupled with a sub-slab ventilation system to mitigate any long or short term risk posed by the contaminants. During construction, the site required careful planning and staging to ensure the slab would be poured on schedule. Liquid Boot Technical Sales Managers worked with the General Contractor and the approved installer to ensure the process could be completed quickly and with a vapor tight membrane.



Genzyme Headquarters
Boston, MA

Kendall Square is a 10 acre mixed use development. The site is located within the limits of a former Manufactured Gas Plant (MGP) site, making the project one of the largest brownfield redevelopments in MA. Remediation consisted of a combination of mass excavation with off-site disposal and in-situ stabilization of the MGP residual wastes. The primary contaminants of concern (COC) were sub-surface coal tars and related products. There are some residual organic compounds present in the sub-surface soils. The RETEC Group Inc. designed a state of the art venting system and an impermeable vapor membrane system beneath the slab. More than 75,000 square feet of LIQUID BOOT® was applied on site by Terrafix Environmental.



Fraternity Meadows
Secaucus, NJ

Built on a former landfill, the residential development was one of the first of its kind in the State of New Jersey. With the need of a membrane which would adhere to the underside of the slab because of differential settlement, Liquid Boot was quickly identified as the proper choice for the job. Hydroqual, Inc. designed the venting and membrane system, along with the continuously operating monitoring system which rests over the Liquid Boot membrane. CETCO Technical Sales Managers assisted with design and implementation of the membrane throughout the entire process. The Liquid Boot membrane was applied by EAI, Inc. on over 80,000 square feet.