

# CETCO vapor barrier chosen as solution for high-profile casino project

A \$400 million redevelopment project that will be the site for a new gaming casino was formerly an automotive factory. The primary contaminants of concern on this 123 acre brownfield site Primary concern were residual chlorinated compounds from former cleaning and manufacturing activity.



## PROJECT DETAILS

Penn National Gaming – Hollywood Casino

Certified Installer: Environmental Management Specialists

Contractors: Smoot Construction

## LOCATION

Columbus, Ohio, USA

## PRODUCTS USED

LIQUID BOOT® spray-applied vapor barrier

GEOVENT™ venting system

Approved LIQUID BOOT® 500 vapor barrier installer, Environmental Management Specialists, Inc., ensured a proper installation and a vapor-tight seal around all penetration and footings, critical vapor intrusion pathway areas that present the most potential risk for compromised indoor air quality within the structure. LIQUID BOOT® 500 vapor barrier can only be installed by those trained and approved by CETCO, helping to ensure a quality and reliable gas vapor membrane system for your project.

## CHALLENGE:

One of the challenges on this site is its large size which led to higher remedial costs associated with soil removal. Another challenge was the design of the site, which included a significant amount of penetrations through the gaming floor of the casino. Lastly, a very tight construction schedule due to the client's goal for a grand opening date posed an additional challenge.

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### **SOLUTION:**

The LIQUID BOOT® 500 vapor barrier, with GEOVENT™ venting system, mitigated long term risk against potential gas vapor from chlorinated compounds and minimized soil removal with this engineered measure in place. LIQUID BOOT® 500 is a spray-applied, elastic, monolithic membrane that allowed for reliable seals around the multiple penetrations in the structure.

### **RESULT:**

The remedial approach utilizing the LIQUID BOOT® 500 vapor barrier allowed the client to develop on this larger site after initially considering a much smaller site and building layout. Installation of the LIQUID BOOT® 500 spray-applied vapor barrier was completed successfully and on schedule, helping the client achieve their grand opening goal. The redevelopment of this former shuttered property is helping to lead the way for the further development of the entire West End Area of Columbus, Ohio (USA).