



**August 11-13, 2015**

*Crowne Plaza Hampton Marina Hampton, Virginia*



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**Hazardous Materials: Asbestos, Radon, Mold, Underground Storage Tanks**

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**ASBESTOS**

When to test? Demolition requires certified Asbestos inspection, Suspected materials are present, Rehab work will disturb a suspected ACM, Contractor uncovers a previously hidden hazard.

Most products made today do not contain asbestos. Those few products made which still contain asbestos that could be inhaled are required to be labeled as such. However, until the 1970s these common products which may release fibers include:

Floor tiles, Siding and roofing, panels around wood stoves, Insulation: pipe, furnace door gaskets, wall and attic, houses built between 1930 thru 1950, Artificial ashes and embers in gas fireplaces, Wall joint compound banned in 1977, Glazing and Caulking

## **RADON**

Radon is a chemical element with symbol Rn and atomic number 86. It is a radioactive, colorless, odorless, tasteless noble gas, occurring naturally as a decay product of radium. Its most stable isotope, <sup>222</sup>Rn, has a half-life of 3.8 days.

Over time, exposure to **radon** can cause lung cancer.

Mitigation involves fan driven ventilation below slab to exterior. \$950-\$2500

STATE RADON OFFICER Ryan Paris (804) 864-8161  
Virginia Dept. of Health, Radiological Health  
James Madison Bldg., 7th Fl, 109 Governor St Rm 730  
Richmond VA, 23219

## **MOLD**

Molds are ubiquitous, and mold spores are a common component of household and workplace dust; however, when mold spores are present in large quantities, they can present a health hazard to humans, potentially causing allergic reactions and respiratory problems.

Some molds also produce mycotoxins that can pose serious health risks to humans and animals. Some studies claim that exposure to high levels of mycotoxins can lead to neurological problems and in some cases death.

Remediation by qualified firms completely removes mold and contaminated materials. There should be no visible mold and no odor of mold. After cleanup, the site or sites should not show signs of moisture accumulation or mold growth.

Testing and inspection by mold specialists including lab testing is available if toxic conditions are identified.

## **USTs**

When to inspect?

Oil smell in water, furnace firing issues, furnace service personnel recommend replacing the tank, water in the tank; Client concerned about liability; Rehab specialist identifies hazard and has funding to assess and replace tank; Age of tank indicates possible release; Environmental Safety. Contact local code officials if planning on closing an empty tank.

If there is a release: Contact VADEQ immediately, assign it to an Engineering Consultant, access the Virginia Petroleum Storage Tank Fund. \$500 deductible.

<http://www.deq.virginia.gov/Programs/LandProtectionRevitalization/PetroleumProgram/FrequentlyAskedQuestions.aspx>