

Vapor Intrusion

Increased awareness and understanding of the exposure effects from harmful vapors in residential, commercial and industrial buildings has increased significantly in recent years. The Site Investigation Field Unit has been at the forefront of this discipline for several years. Instrumental in the creation of state-wide sample guidance and sample techniques, SIFU continues to work on evaluating this exposure pathway with innovative sampling methodologies and conceptual site modeling.

Following multiple lines of evidence – evaluating ground water, soils, soil-gas and then considering sub-slab and indoor air – this step-wise process utilizes sample screening techniques, specific sample control, detailed documentation and direct coordination with the fixed-based lab for appropriate sample containers and analytical methods (US EPA TO14/TO15).

Site-specific data is gathered to support current risk-based models with the primary goal of holistically evaluating this exposure pathway.