

Vapor Intrusion Snapshot of Updates

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Background/Objectives. The Navy is working hard to keep pace with the evolving science of vapor intrusion. This presentation will identify the tools and resources the Navy is applying to meet the challenges of vapor intrusion investigations and evaluations.

Approach/Activities. The DoD is updating its Vapor Intrusion Handbook with Fact Sheets describing the latest tools and resources in vapor intrusion investigations such as high-volume sampling, building pressure cycling, real-time sampling. These resources are available to all DoD Services (Air Force, Army, and Navy) on the Denix website. The presentation will provide an update on the on-going development of a DoD VI Database of commercial industrial buildings. The Navy is also developing VI SAP templates.

The Navy is also developing protocols for VI data to be captured in an Electronic Data Deliverable (NEDDs), Navy GIS VI Screening tool, and a Matrix of Technologies for VI. The NEDDs update will identify effort to capture more nontraditional VI information in the Navy Data Management System (NIRIS) to assist project managers and document the multiple lines of evidence required for VI projects. The GIS VI Screening tool will display how a VI site can be identified as a possible area of concern based on the data already known at a site. The Matrix of Technologies for VI identifies the current technologies available to be used during the field efforts.

Results/Lessons Learned. The efforts of Navy and DoD to ensure available tools and resources for VI investigations are readily available to our project managers and contractors ensures more defensible and cost-effective VI investigations are implemented across the Navy and DoD.