

Navy Vapor Intrusion Activities

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The Navy has several efforts underway to support Environmental Restoration Remediation Project Managers (RPMs) addressing the Vapor Intrusion (VI) pathway. The Navy efforts focus on providing RPMs with consistent and technically defensible closure-oriented strategy for VI assessments and include:

- Navy VI Policy
- DOD VI Handbook
- VI Focus Group
- Navy Best Practices Project
- Navy VI Conceptual Site Model Checklist
- Navy Background VI Document

The VI Focus Group brings together VI technical leads from the Naval Facilities Engineering Command (NAVFAC), Naval Facilities Engineering Service Center (NFESC), Navy Marine Corps Public Health Center (NMCPHC), Navy contractors, and industry experts. Their goal is to provide technical expertise to RPMs in support of VI specific projects, develop decision tools for VI investigations that address VI confounding issues with background indoor air sources, soil gas and air temporal and spatial variability, and attenuation factor variability. The Navy Research Program (or NESDI) funded Best Practices project supports research to identify improved assessment strategies for VI that will minimize the need for intrusive sub-slab samples, identify sampling methods to improve exposure estimates, and identify methods for indoor air source separation to tease out background contributions. Technologies selected for demonstration are passive adsorptive samplers and pressure cycling. The NFESC has developed a VI Conceptual Site Model Checklist and is collaborating with the Focus Group to develop a VI Web Tool. As part of a series of Background Analysis documents, the Navy is developing a VI Background Analysis Guidance document that focuses on exploratory data analysis methods, forensic methods, and statistical methods.