

Summary of Changes to the March 2018 DWM VI Guidance Document

The March 2018 update to the DWM Vapor Intrusion Guidance document included minor language clarification and incorporation of the Inactive Hazardous Sites Branch (IHSB) supplemental guidance. Some of the notable changes to the document include the following:

- Addition of Appendix B – IHSB supplemental guidance on VI evaluation steps.
- Addition of Appendix H – Brownfield’s VIMS Design checklist.
- With the addition of Appendix B and H, the other Appendices were reordered to coincide with the order in which they appear in the guidance document.
- Section 1.0 – updated information on UST/petroleum vapor intrusion in first paragraph.
- References to the DEQ risk calculator were added to Section 1.0, 3.0, 5.0 and 5.4.
- Section 4.0 references the IHSB document in Appendix B.
- In Section 4.2.1 – in the highlighted text box, the distance for screening landfills (500’) was added.
- In Section 4.2.2 – text was revised and added for clarification. The last highlighted text box was modified to clarify that the analyte list should only be reduced with the approval of the DWM program with oversight.
- Section 4.4 was reworded – check with specific DWM program with oversight regarding sampling approach.
- Section 4.4.1 was added for Source Area Soil Gas (which then caused all the subsequent sections to be renumbered).
- Section 4.4.2.1 – text was revised and added for clarification. The last paragraph regarding the concurrent collection of sub-slab soil gas and indoor air was moved to Section 4.7.
- Section 4.4.3.1 – language was added for clarification in the first paragraph. Also, the second highlight text box was removed regarding collecting soil gas samples from a minimum of two sides of the building – a sentence of text was added saying that samples should be collected on the side of the building closest to the groundwater plume.
- Section 4.4.4 - added additional information regarding leak checking all fittings prior to sampling and a paragraph regarding the preference for helium leak checking and on-site analysis.
- Crawl space sampling was broken out into a separate Section 4.6 and additional text was added.
- Indoor air is now a separate Section 4.7.
- Section 4.7.1 – bold sentence taken out of last paragraph about DWM not subtracting air concentrations – this will be left to programs to decide on how to handle background air.
- Section 4.8 – additional language added regarding residual vacuum and certification of Summa canisters.