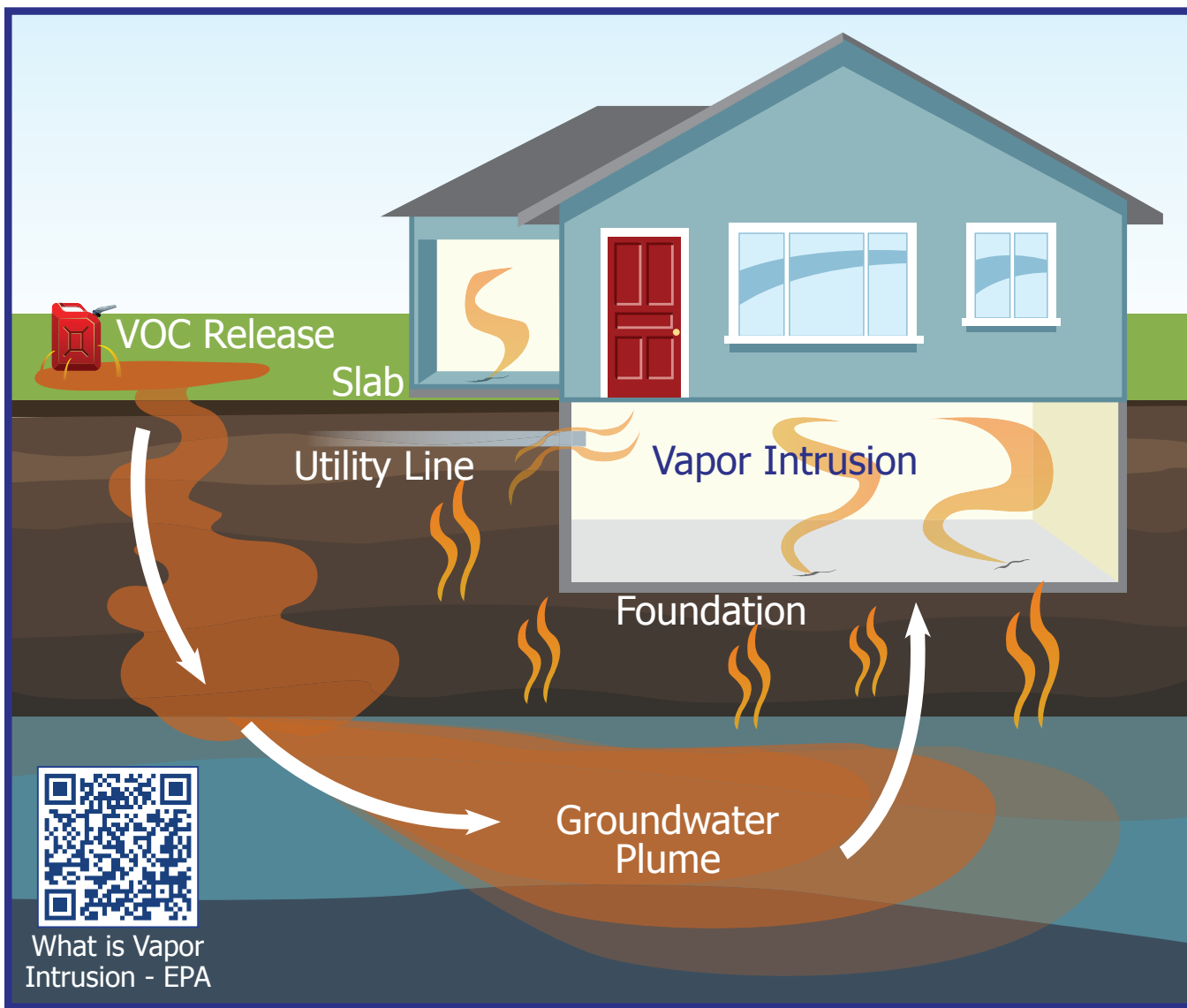




UNDERSTANDING VAPOR INTRUSION AT JBAB



What is Vapor
Intrusion - EPA

Vapor Intrusion (VI) happens when certain chemicals underground turn into gases and move into buildings. These chemicals, called Volatile Organic Compounds (VOCs), can travel through soil or groundwater to reach the air inside buildings through cracks or openings in building foundations.

At Joint Base Anacostia-Bolling, historic military and industrial operations resulted in the release of VOCs into the environment. Volatile chemicals of concern include:

- **Chlorinated Solvents:** These are chemicals containing chlorine used to dissolve compounds like grease, often associated with industrial uses and drycleaning.
- **BTEX:** This stands for Benzene, Toluene, Ethylbenzene, and Xylene, which are associated with gasoline and fuels.

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WHY INVESTIGATE NOW?



Environmental remediation and investigation efforts at JBAB have been underway since the late 1980s, focusing on the impacts of past military and industrial activities. As part of this long-term effort, JBAB samples groundwater near base housing annually to monitor changes in environmental conditions.



The Air Force's current focus on vapor intrusion stems from observed changes in concentrations within nearby groundwater wells. This, along with updates to VI screening levels, indicate that deeper investigations are needed to assess potential vapor pathways into buildings.

A PARTNERED PATH FORWARD

JBAB and our partner, Hunt, have developed a plan focused on protecting the health of the JBAB community. As part of our commitment to keeping residents informed, we are sharing updates and information through ongoing community outreach efforts.



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SAMPLING PLANS



To better understand potential vapor intrusion at JBAB, we are conducting sampling in carefully planned phases:

FIRST STEPS

Expanded Groundwater Sampling — Completed

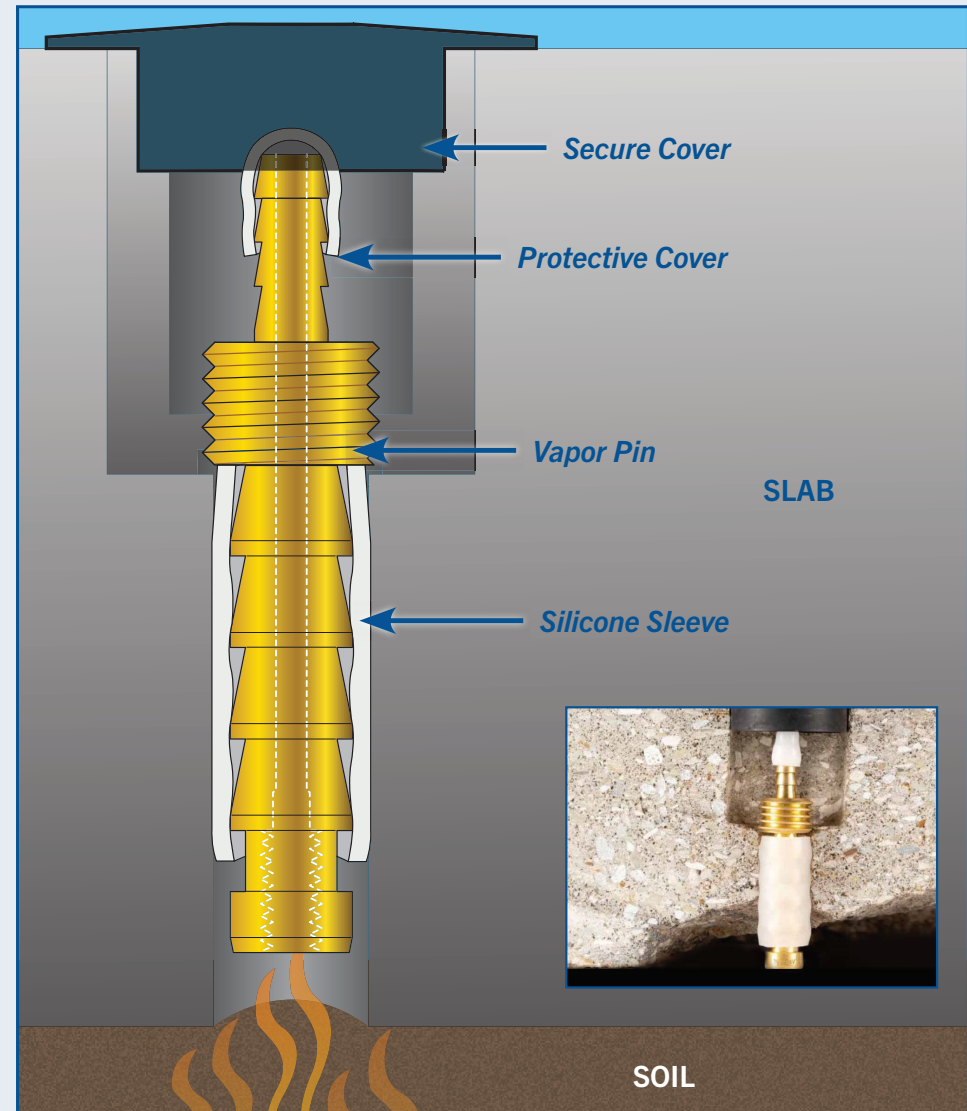
- Pinpointed where indoor sampling would be most effective
- Guided the selection of targeted buildings for interior testing
- Narrowed down methodologies for follow-up sampling

NEXT STEPS

Interior Sub-Slab Sampling - Starting Aug/Sep 2025

- Will be minimally invasive and primarily done in garages
- Will supplement surface and groundwater data
- Involves:
 - ✓ Small air canister samples
 - ✓ Drilling small holes into the concrete slab to collect sub-slab vapor
 - ✓ Ambient indoor air sampling at the same time

This small drill hole used during vapor intrusion sampling is minimally invasive and designed to avoid disruption to daily home activities.



All images courtesy VaporPin

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WHEN AND WHERE?



JBAB is planning a phased sub-slab sampling effort to assess potential vapor intrusion. Sampling is scheduled to begin in Aug/Sep 2025.

WHERE WILL SAMPLING OCCUR?

Based on prior groundwater data and proximity to areas of interest, indoor sampling will be conducted in up to 20 homes located in the following areas:

- **Chandler Street SW**
- **Randolph Way SW**
- **Langley Way SW**

FIRST STEPS

- **Aug/Sep 2025:** First round of sub-slab sampling and ambient air sampling in garages.
- **Dec/Jan 2025/26:** Second round of interior sampling in same garages.



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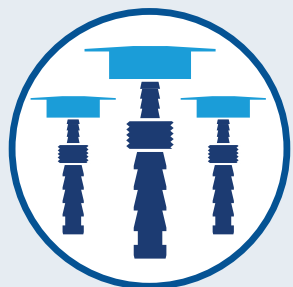


WHAT HAPPENS AFTER SAMPLING?



AFTER VI SAMPLING IS COMPLETED, THE COLLECTED DATA WILL BE CAREFULLY ANALYZED AND SHARED WITH RESIDENTS

DATA ANALYSIS AND REPORTING



Expected completion of initial sampling:
Late Sep/Oct 2025



Expected completion of data analysis:
Apr/May 2026



Expected release of final report: *Aug/Sep 2026*
Follow-up community outreach to relay findings.

Risk is present



AF expands sampling plan, develops cleanup plan and notifies residents.

No risk is present



NO ACTION IS REQUIRED



What If Data is Incomplete?

If more data is needed then additional housing investigation may be scheduled for 2027.

WHAT CAN YOU DO?



If you would like more information:

Contact RPM and base PA

- Leroy.demarest.1@us.af.mil
302-677-5540
- af.jbab.publicaffairs@us.af.mil
202-284-3250

Request information handouts
Contact your district regulator

If you want more info about environmental restoration at JBAB:

- Contact RPM or JBAB PA for more information
- Stay updated via JBAB's environmental webpage
- Review historical information in the Administrative Record



JBAB's Environmental Webpage



Admin Record

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