

CALEPA VI WORKGROUP UPDATE

CALEPA VAPOR INTRUSION WORKSHOP, JULY 24, 2025



CALEPA VI TEAM









Department Toxic Substances Control



Office of Environmental Health Hazard Assessment



Poll #1

What affiliation to you represent today?







TODAY'S PURPOSE

- Kick off a series of public workshops on Vapor Intrusion Topics
- Update on CalEPA VI Team Efforts since release of the Supplemental Guidance
- Update on State Water Board's efforts on the proposed Vapor Intrusion Policy
- Hear from our Panel on Perspectives on Vapor Intrusion
- Host breakout sessions to help plan for future focused workshops
- Instill a sense of Partnering
- Question session after w/ CalEPA Team



"Partnering is a Paradigm Shift FROM unconscious mistrust/misunderstanding; arms-length, formalized relationships; and interactions based on controls and sanctions TO conscious recognition of similar mandates and goals, common interests, and needs; regular face-to-face interaction; disciplined collaboration; and mutual accountability."

Joe Foran, China Lake NAWS Environmental Legal Workshop, Jan-Feb, 2021

Tentative Workshop Series Schedule

Disclaimer: Schedule may be modified based on feedback during this initial kickoff meeting and outcome of the breakout sessions





July 24, 2025 – Vapor Intrusion Workshop Kickoff



Fall 2025 – **Vapor Intrusion in the Community**



Fall 2025 – Conceptual Site Model & Best Practices



Winter 2025/Spring 2026 – **Building a VI dataset**



Spring 2026 – Collective Decision Making with VI Partners



Spring/Summer 2026 – **VI Screening to Site Closure**

Question for Audience (Poll #2)

What <u>Topic-Focused</u> workshop would you like to see next?





Breakout Rooms



- Want to hear from you
- Help focus and structure the <u>future</u> public vapor intrusion workshop series
- 60-minute discussion within the group
- 25-minute report-back to the whole group
- Each Breakout Room will have facilitator, time keeper, and note taker.





Supplemental Guidance:

Vapor Intrusion

FINAL DRAFT



February 2023

Implementing the SVIG & Promoting the GeoTracker VI Dataset

- Staff Training May 2023
- Public Training Videos Posted & Live
 Q&A Sessions March 2024
- AEHS Conference March 2024 & 2025
- GeoTracker Electronic Submittal Information (ESI) & VI Tools Training:
 - Staff July & August 2024
 - Public September 2024
 - Local Agencies October 2024



Site Name/Run Number:

DTSC J&E Case

6.87E-02

1.02E-05

MULTI CHEM INPUT

indicate parameters that typically are changed or must be inputted by the user, cate default values that may be changed with justification.

from Regional Screening Level (RSL) tables and/or California Toxicity Criteria Rule.

Risk Assessment Note 10). The RSL tables are updated semi-annually and may ent toxicity information.

ics:	Units	Symbol	Value	De
า		Source	Groundwater	
oncentration	(ug/L)	Cmedium	1	
ade to water table	(m)	Ls	5.00	
dwater temperature	(°C)	Ts	20	
urce vapor concentration	(ug/m3)	Cs	321	
of pure component saturated oncentration	(%)	%Sat	0.000%	
D	Unite	Symbol	Value	Г

R		Units	Symbol	Value
 ne			Chem	Trichloroethylene
			CAS	79-01-6
Tox	icity	/Building Parameter Source:	CA-DTSC	
		(ug/m³) ⁻¹	IUR	4.10E-06
ound			Mut	Yes
ntration		(mg/m³)	RfC	2.00E-03
s:	R	Units	Symbol	Value
water solubility		(mg/L)	S	1.28E+03
ant @ 25°C		(atm-m³/mol)	Нс	9.85E-03
nry's Law Constant C		(dimensionless)	Hr	4.03E-01
nry's Law Constant		(dimensionless)	Hs	3.21E-01

(cm2/s)

Measured soil gas conc.

DTSC's J&E & HERO Notes Updates

- Johnson & Ettinger Model Update (October 2024):
 - Known programming bugs fixes
 - CA Toxicity Values & building parameters
 - Options for capillary fringe modeling (GW sources)
- HERO Notes Update (April 2025):
 - Note 10 comply with 2018 CCR Title 22, Sec. 68400.5, 69020-69022 Toxicity Criteria
 - Note 1 default exposure factors for HHRA
 - Note 3 Modified Screening Levels



What about State Water Board's Proposed VI Policy?

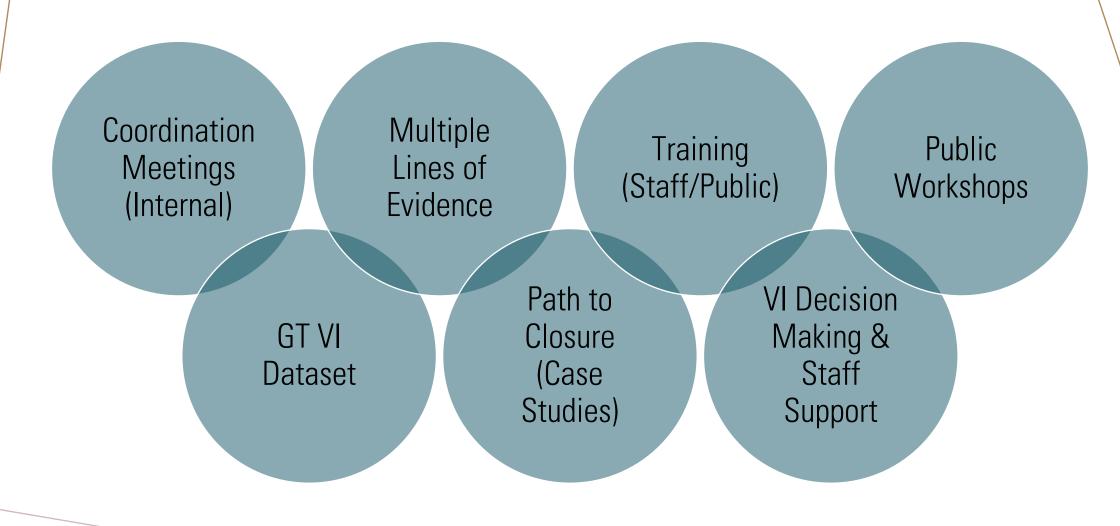
 Project Development & Public CEQA Scoping Meeting completed in April 2022

- Project on hold to focus on
 - Implementation of the Supplemental Guidance
 - Building a statewide VI dataset
 - Coordination with CalEPA VI Team on holistic approach



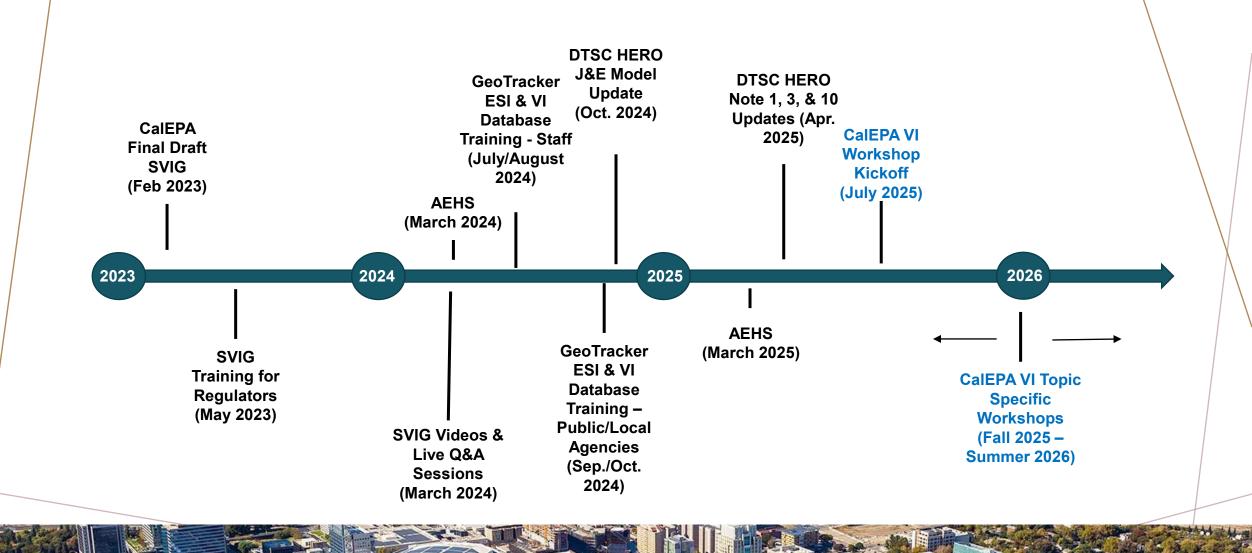


CalEPA VI Team: Holistic Approach









Future Efforts – CalEPA VI Team

Effort(s)	Short Term	Long Term
Public Workshops	X	
Staff Training	X	X
Public Training		X
Holistic Approach Development	X	X
Support use of GT VI data	X	X
Statewide VI/Attenuation Factor Study		Х
		10

