

Acorn Woodland and EnCompass Testing Update # 2

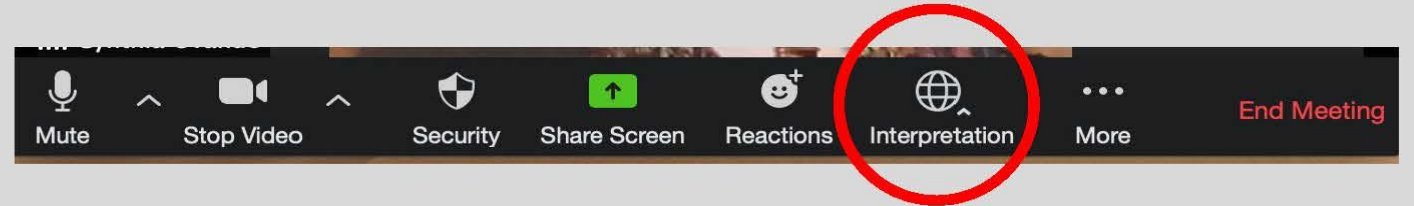
Presentation to Acorn Woodland/EnCompass
Families and Staff



11.19.2020
Via Zoom Webinar

Interpretation ⇔ Interpretación ⇔ 翻譯

1 Go to Controls
Vaya a los controles / 去 Control



2 Click “Interpretation”
Clic en “Interpretación”
點擊 “Interpretation”



3 Choose a Language
Escoja un idioma / 選擇語言

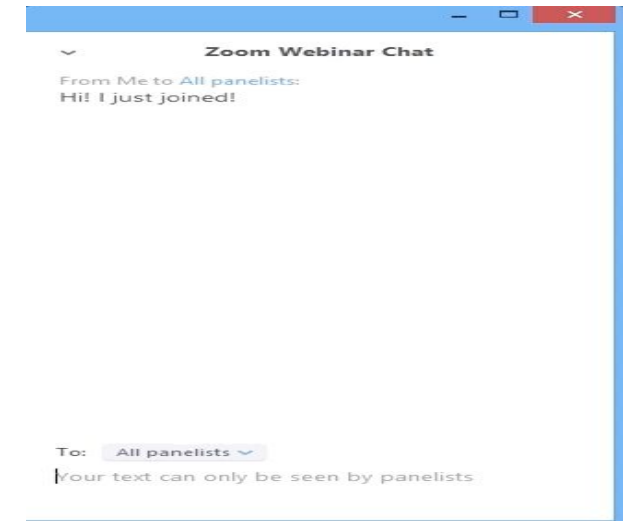
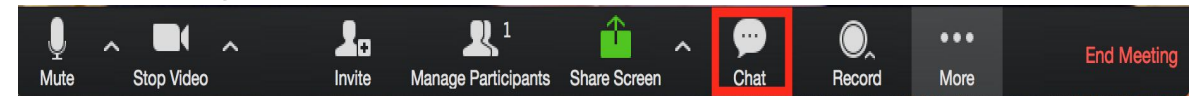


Asking Questions & Giving Input During the Presentation

The chat feature in Zoom allows webinar attendees, the host, co-hosts and panelists to communicate for the duration of the webinar.

As an attendee, **Chat** will be in the controls at the bottom of your screen.

- When you click on chat, the chat window will appear. It will be on the right if you are not in full screen. If you are in full screen, it will appear in a window that you can move around your screen.
- Type your message and press **Enter** to send it
- You can also select who you would like to send the message to by clicking on the drop down next to **To:**.



Agenda

Item	Facilitator
Welcome, Goals, Roles, Agenda, Norms	Christie and Monica
Environmental Justice in Oakland	Site Leaders
Background and Summary from 9.3.2020 Community Meeting	OUSD Staff
Update on Testing	Partner Agencies, OUSD Staff
Overview of next steps	Partner Agencies, OUSD Staff
Community Q and A	Partner Agencies, OUSD Staff
Close and Appreciations	Monica and Christie

Norms

- Check for understanding
- Surface assumptions
- Share divergent views
- Presume positive intent
- No personal attacks



Desired Outcomes

- Provide our school community with:
 - an update on environmental testing and follow up actions from last community meeting
- Collect questions from families and staff
- Provide next steps and follow up

Today's Panelists: OUSD Staff

Monica Thomas	Network Superintendent
Christie Herrera	Executive Director of Early Learning
Julissa Lambert-Yank	Principal, Acorn Woodland Elementary
Minh-Tram Nguyen	Principal, EnCompass Academy
Shanna Vasquez	Principal, Acorn Woodland CDC

Rebecca Littlejohn	Risk Management Officer
Josh Daniels	General Counsel
John Sasaki	Director of Communications
Tadashi Nakadegawa	Interim Deputy Chief of Facilities

Today's Panelists: Partner Agencies

**Dilan
Roe**

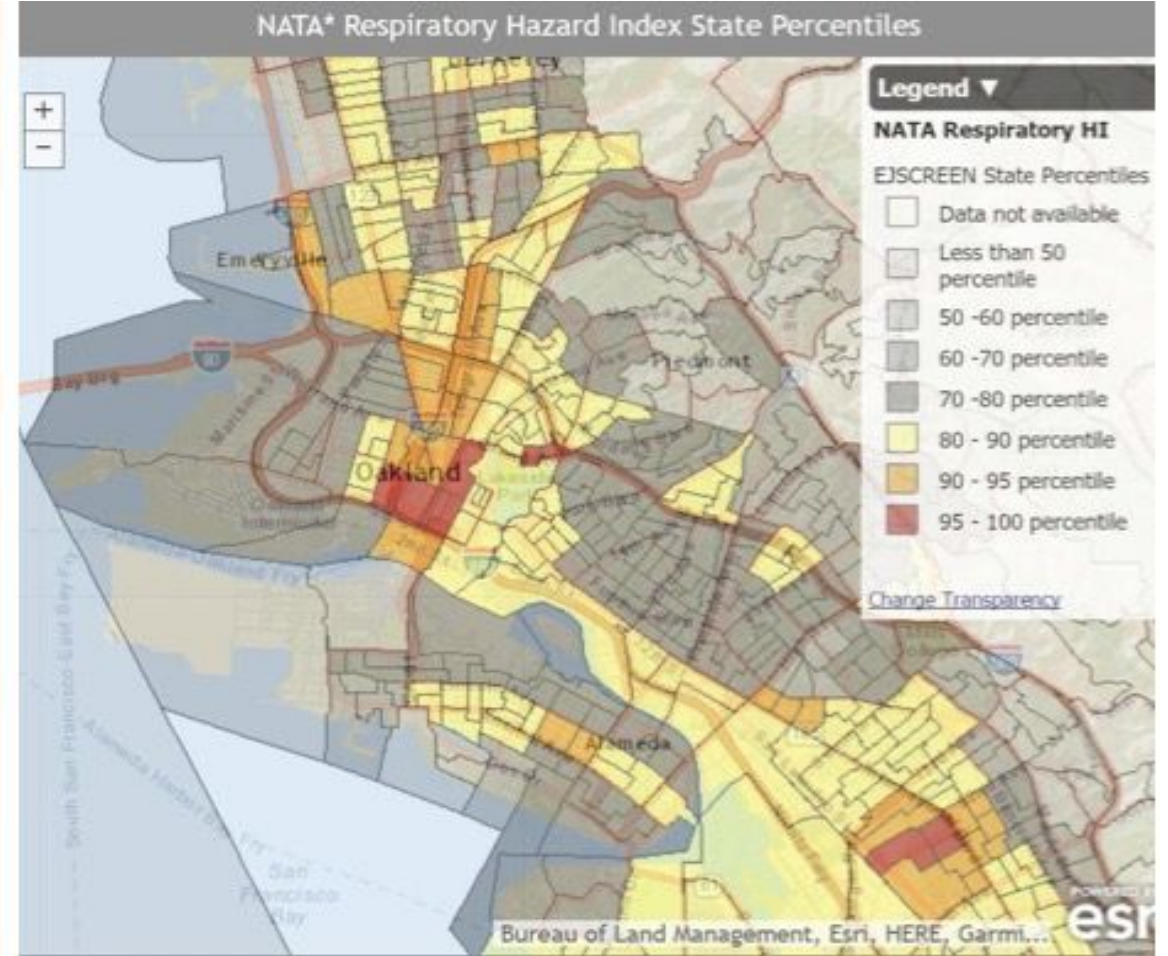
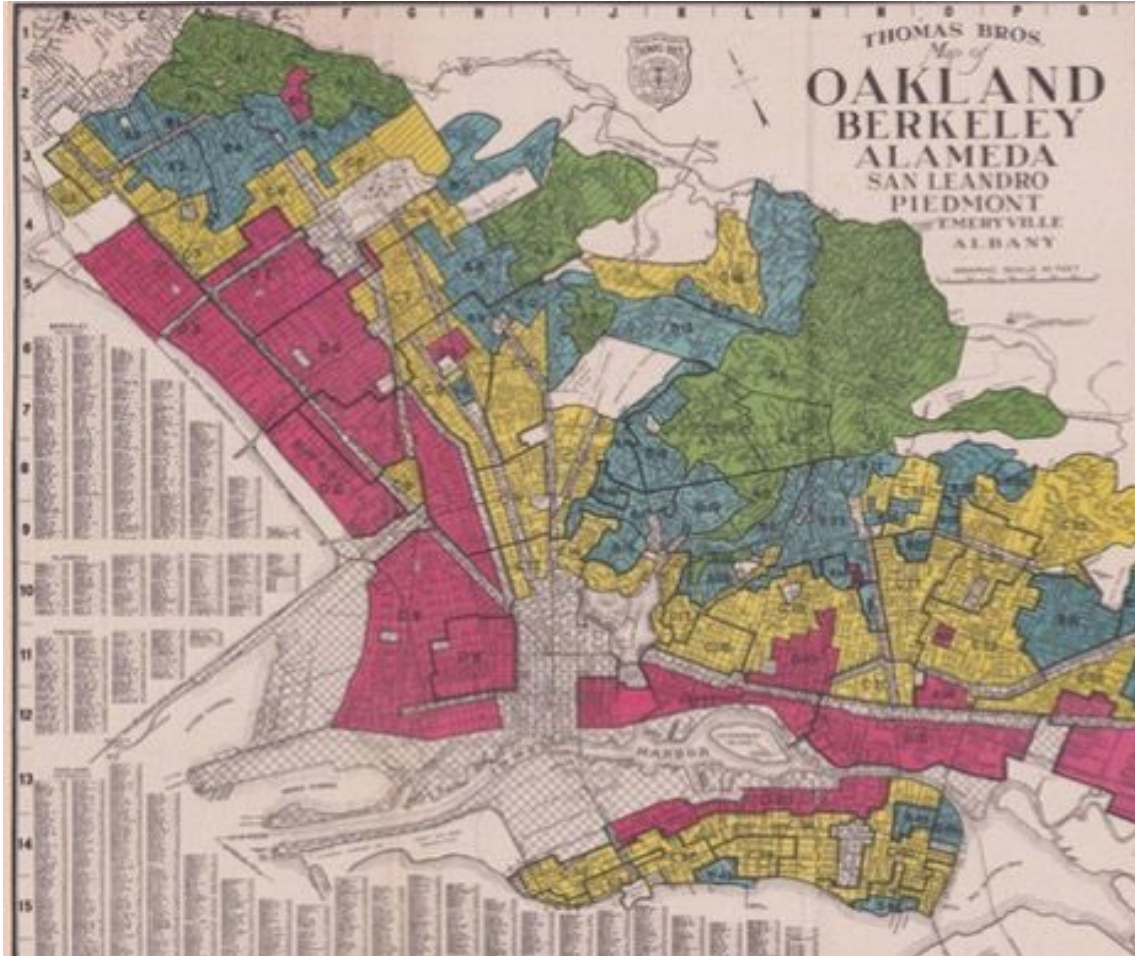
[Alameda County Department of
Environmental Health](#)



**Jonathan
Sanders**

Background and Summary Status from September 3 Community Meeting

Environmental Injustice in Oakland



Summary from Sept 3 Meeting

- Held community meeting on September 3
 - Informed students, staff, and families about soil vapor testing and need for indoor air testing
 - Responded to questions
- Created webpage with information
 - Communications to community and video of September 3 community meeting
 - FAQ and additional resources

Webpage & FAQs

www.ousd.org/environment/acornencompass

Environmental Testing Frequently Asked Questions at Acorn Woodland Elementary/EnCompass Academy/Acorn Woodland CDC Campus

1. Why did OUSD test the soil vapor at the Woodland Elementary/EnCompass Academy/Acorn Woodland CDC ("Acorn/EnCompass") Campus?

The Alameda County Department of Environmental Health ("DEH"), along with the Department of Toxic Substances Control (DTSC), oversees investigations and cleanup of hazardous materials releases to the environment. After Trichloroethylene (TCE) was found in groundwater under McClymonds High School in February 2020, DEH staff began to examine whether there were any sites overseen by DEH near OUSD school campuses. The Acorn/EnCompass Campus was identified as a result and DEH recommended soil vapor testing in July 2020.

2. When did OUSD test the soil vapor and when did OUSD get the results?

As soon as OUSD received the recommendation to test the soil vapor, OUSD enlisted the services of Professional Service Industries (PSI) to test the soil vapor. The testing plan was submitted to DEH on July 23 and was reviewed and approved by DEH on July 29. Testing commenced on August 5th and 6th. The raw results were provided to OUSD on the afternoon of Thursday, August 20.

3. What did OUSD do when they received the soil vapor test results?

OUSD received the raw results from the soil vapor tests on Thursday, August 20. On Friday (August 21), Monday (August 24), and Wednesday (August 26), OUSD met with DEH staff and/or DTSC staff to understand the implications of the raw results and to determine next steps. After the meeting on Wednesday (August 26), DTSC wrote to OUSD stating that it did not recommend closing the Acorn/EnCompass Campus or imposing access restrictions to buildings. However, DTSC did recommend conducting indoor air testing of all buildings. After receiving those recommendations, District Office staff met with Acorn/EnCompass site leaders on Wednesday (August 26) and Thursday (August 27) to inform them of the situation and to discuss how best to inform staff and the community. Communications (email and robocalls) went out Thursday (August 27) evening.

4. What is PCE and what are its potential health impacts?

Perchloroethylene (PCE) or tetrachloroethylene, as it's also known, is a colorless liquid with a mild, chloroform-like odor. PCE is used in many industries. It's used to dry clean fabrics, manufacture other chemicals, and degrease metal parts.

This Fact Sheet on PCE (<https://www.atdcr.cdc.gov/toxfacts/facts18.pdf>) contains helpful information, including the following:

- "Studies in humans suggest that exposure to PCE might lead to a higher risk of getting bladder cancer, multiple myeloma, or non-Hodgkin's lymphoma."
- "It is not known whether children are more susceptible than adults to the effects of PCE."

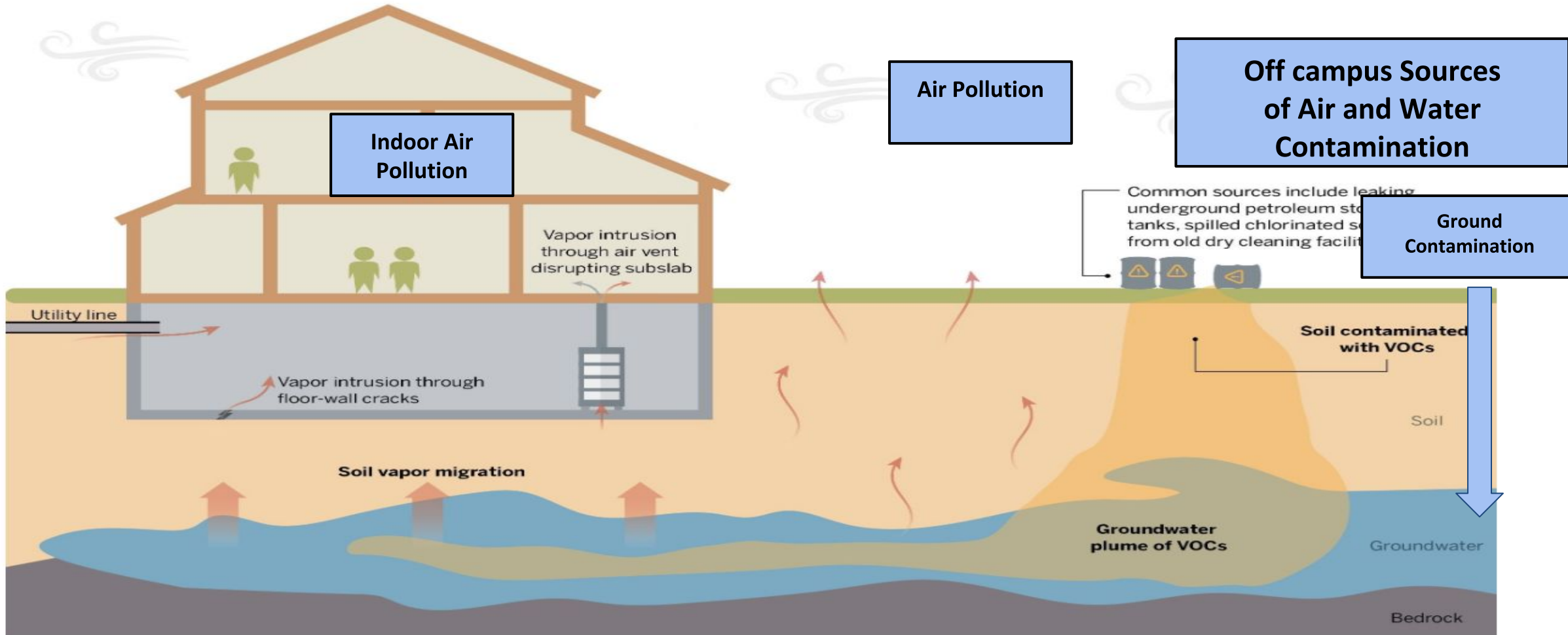
Response to Questions

(from staff and families)

Question: *What was announced at the September 3 community meeting?*

- Explained why soil vapor testing was conducted
- Explained the results of soil vapor testing
- Explained why there was no need to close the Acorn/EnCompass campus or imposing access restrictions to buildings
- Explained why there is a need for indoor air and sub slab testing
- Explained when indoor air and sub slab testing would be conducted (September)
- Explained when results of indoor air and sub slab testing were expected to be shared (mid to late November)

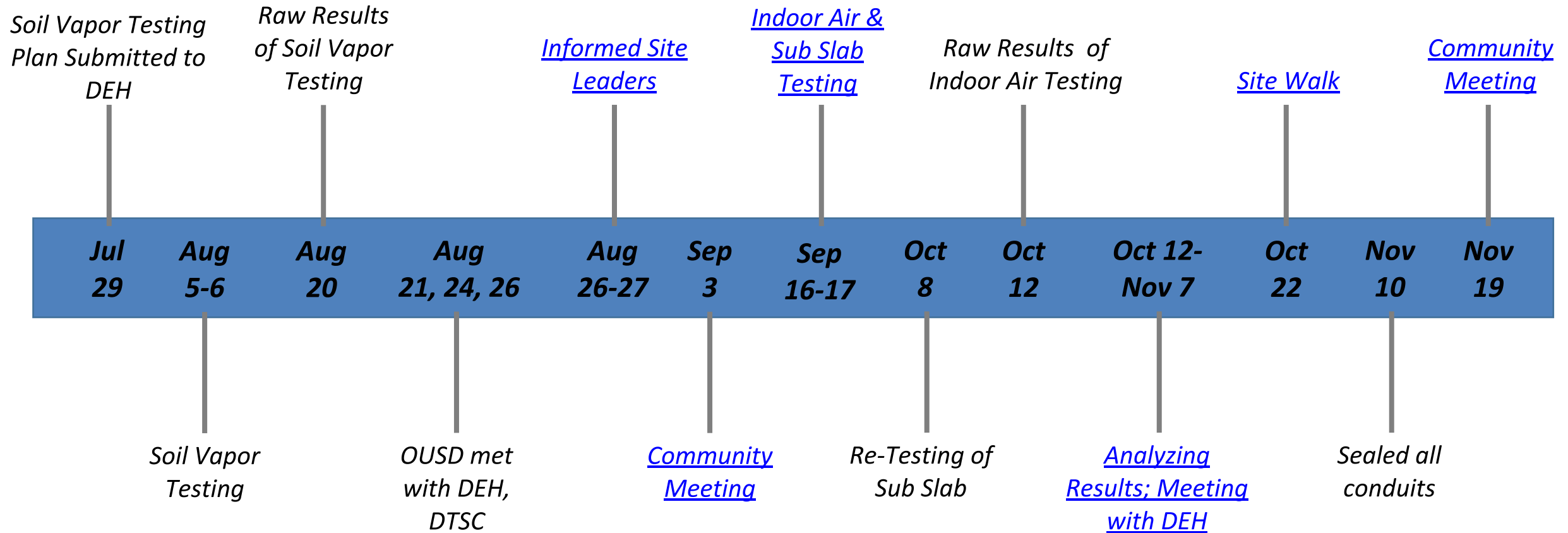
What is Vapor Intrusion?



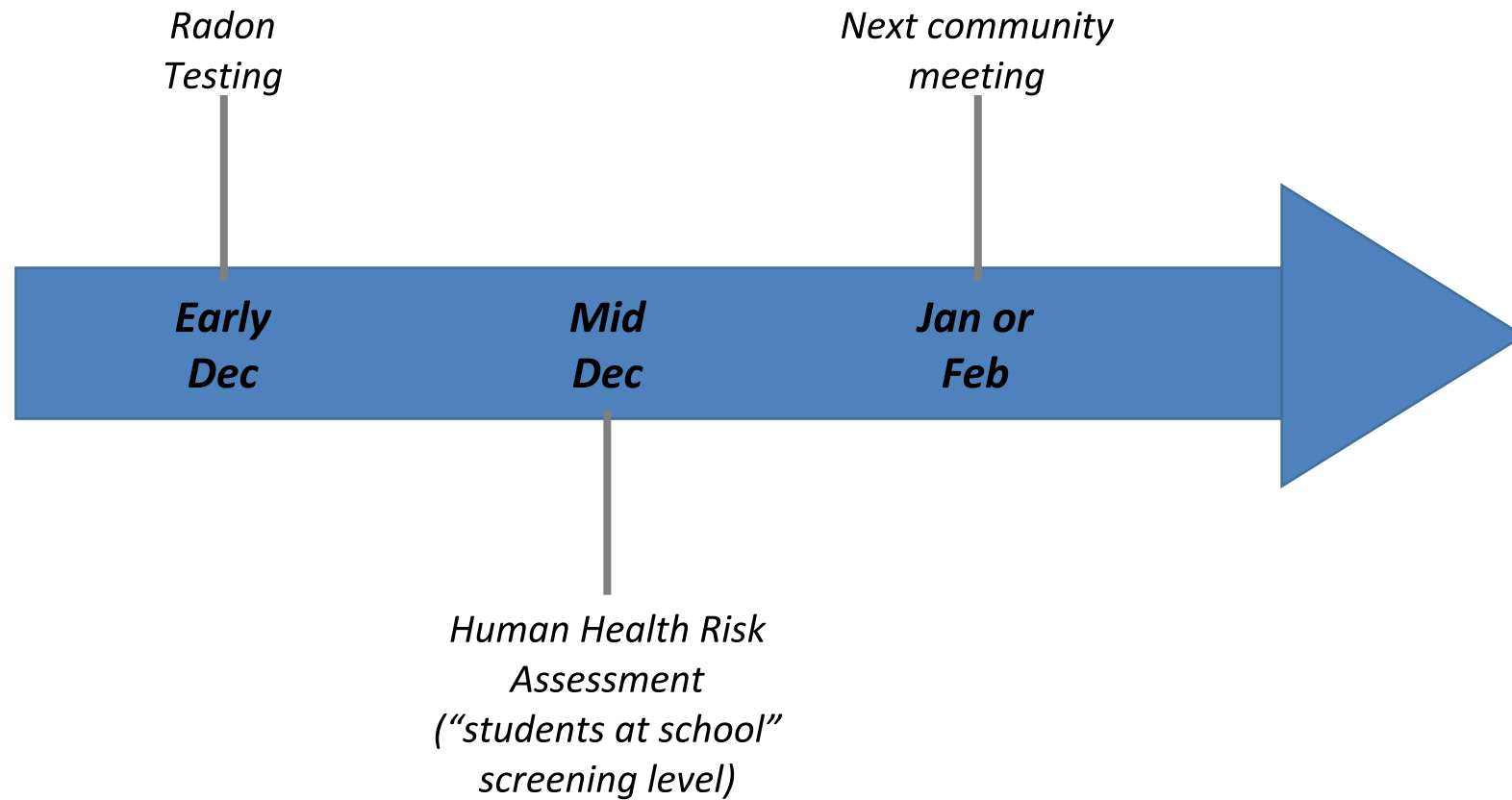
Step 3 Completed



Timeline Highlights (what has happened)



Timeline Highlights (what will happen)



Indoor Air Testing



Sub Slab Testing



Testing Results and Current Status

Human Health Screening Levels

Different screening levels are used by environmental agencies to evaluate human health risk

- Environmental Screening Levels (DTSC / Regional Water Board): based off long term, consistent exposure and are used for evaluating vapor intrusion risk
- Occupational Screening Levels (OSHA): based on short term exposure and are meant to protect worker health

**Environmental Screening Levels are significantly lower than
Occupational Screening Levels**

Environmental Screening Levels for Vapor Intrusion

- **Commercial – Applies to staff only**
 - 8 hours/day, 250 days/year exposure
 - 25 years
 - Adult
- **Residential – Doesn't apply to schools**
 - 24 hours/day, 350 days/year exposure
 - 26 years
 - Child
- **Need to determine “students at schools” screening levels**

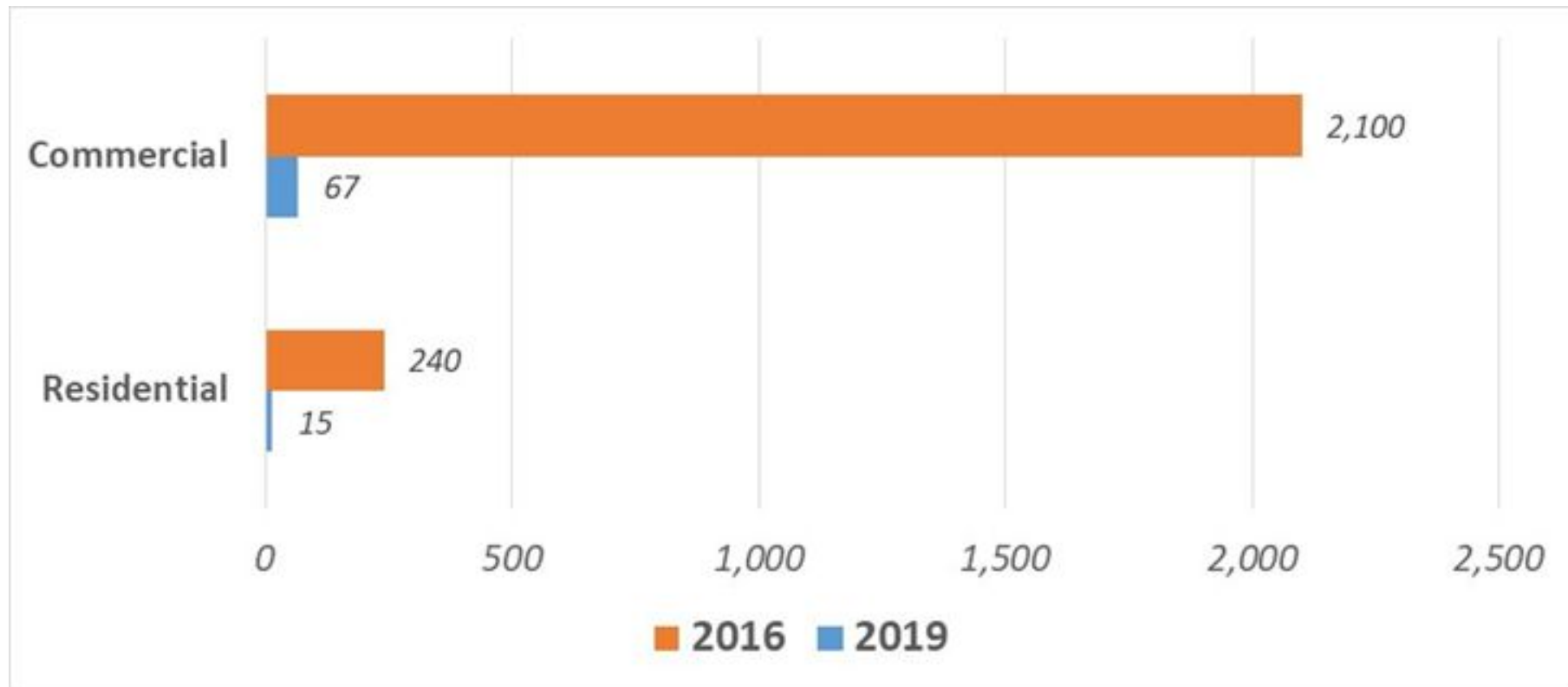
Environmental Screening Levels for Vapor Intrusion

- Below screening levels – **no further action required**
- Above screening levels – **further investigation is warranted**
- Threshold set at one in a million risk of adverse health impact:
 - Odds of flipping heads on a coin 20 times in a row: 1 in a million
 - Odds of being hit by lightning in the U.S. in any given year: 1 in 700,000

Example: 2016 vs 2019

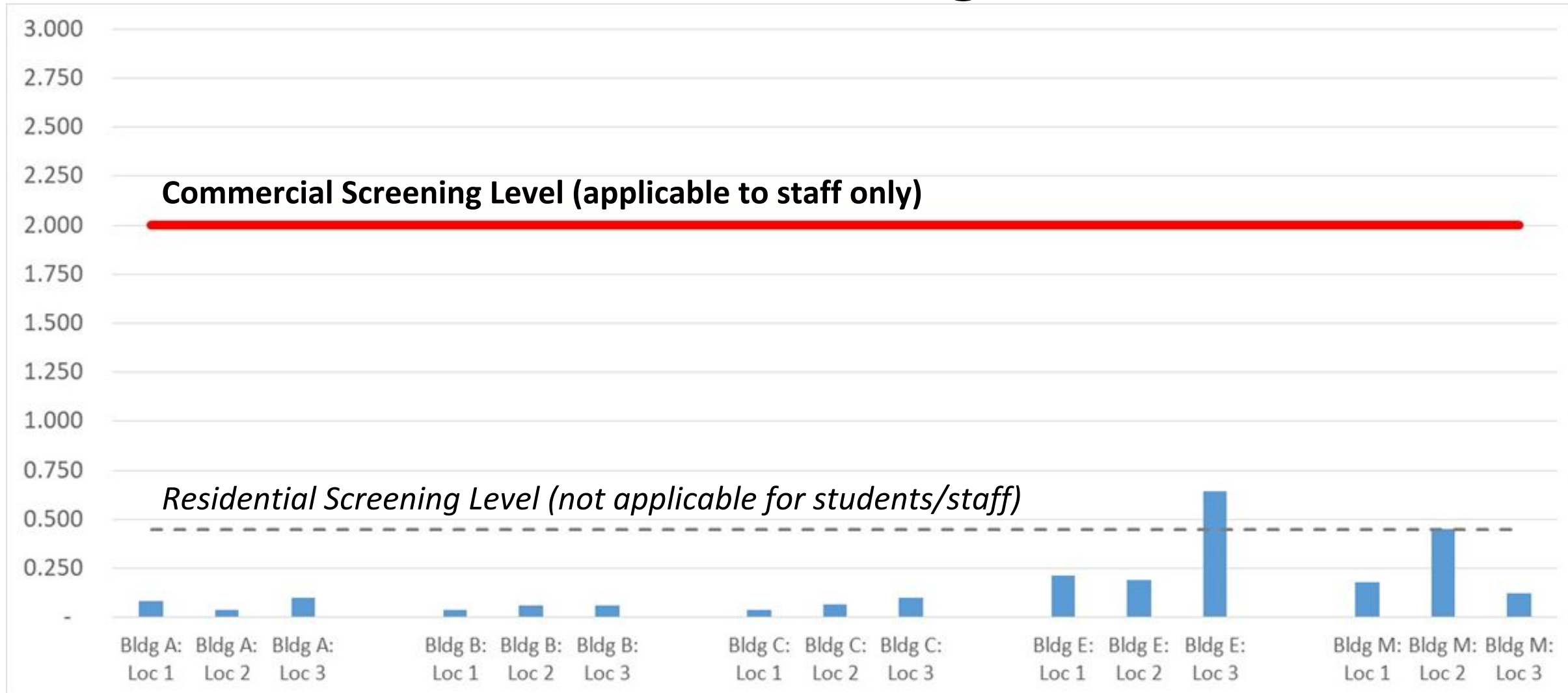
Soil Gas/Sub Slab Screening Levels for PCE

Screening levels are updated periodically and new levels are often controversial within the scientific community

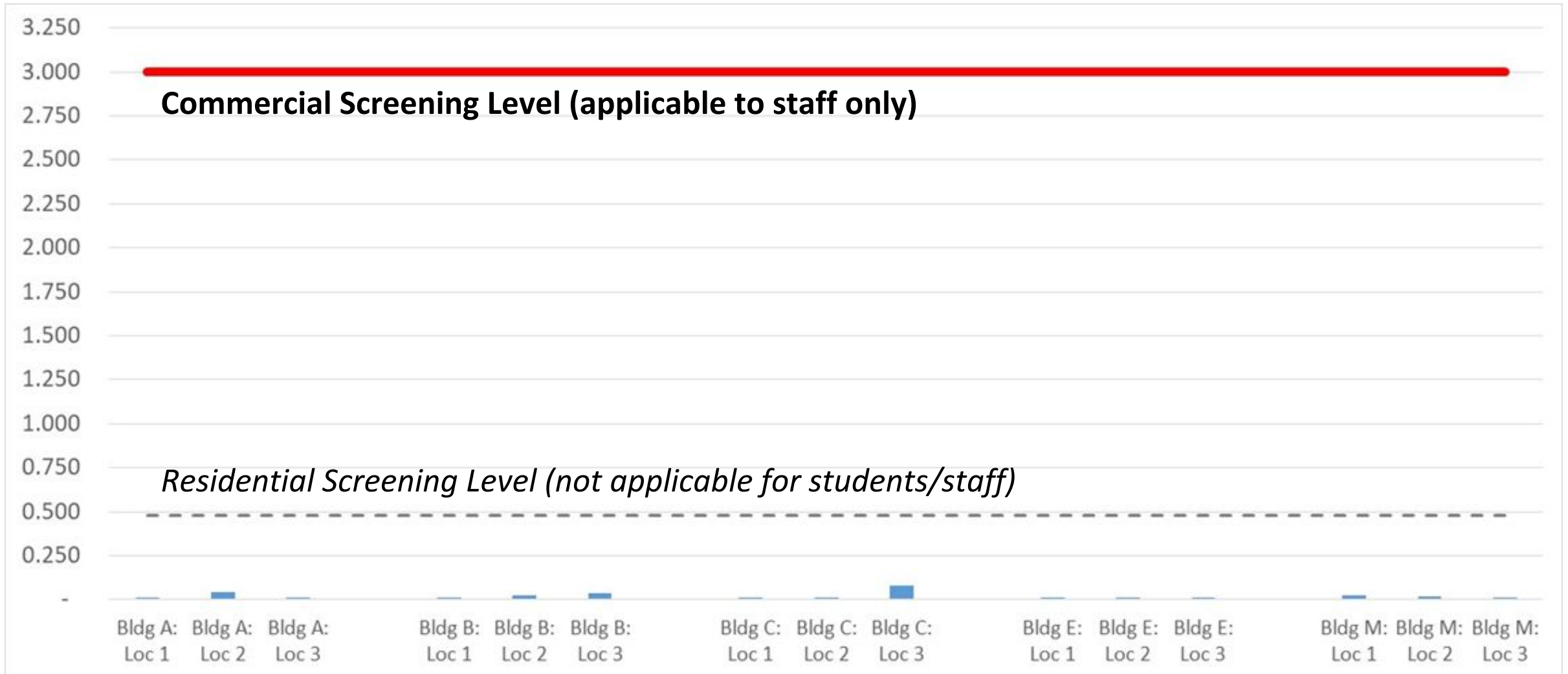


Indoor Air Results

PCE with Screening Levels



Indoor Air Results TCE with Screening Levels



Takeaways

- Outdoor Air

- Contaminants found in outdoor air are impacting indoor air
- OUSD is researching options to improve indoor air quality from outdoor air impacts

- Vapor Intrusion

- Some chemicals found underneath the building are also found in indoor air
- It's unknown if chemicals found in indoor air are coming from underneath the building or from indoor air sources, such as cleaning products
- All concentrations are below Occupational Screening Levels and Commercial Environmental Screening Levels for staff
- Some concentrations are above Residential Environmental Screening Levels
- Need to determine Environmental Screening Levels for “students at schools”
- Additional evaluation is needed to confirm/rule out vapor intrusion

Overview of Next Steps

What happens next?

- District is contracting with expert to determine “students at schools” screening levels
- District will be looking into options regarding whether/how to OUSD improve indoor air quality from outdoor air impacts
- District will be conducting additional analysis to confirm/rule out vapor intrusion

Type Your Questions into the Chat Box



We Will Try Our Best to Address All Questions Today!
A Follow-Up Email Will Be Sent to Respond to Any Unanswered Questions.

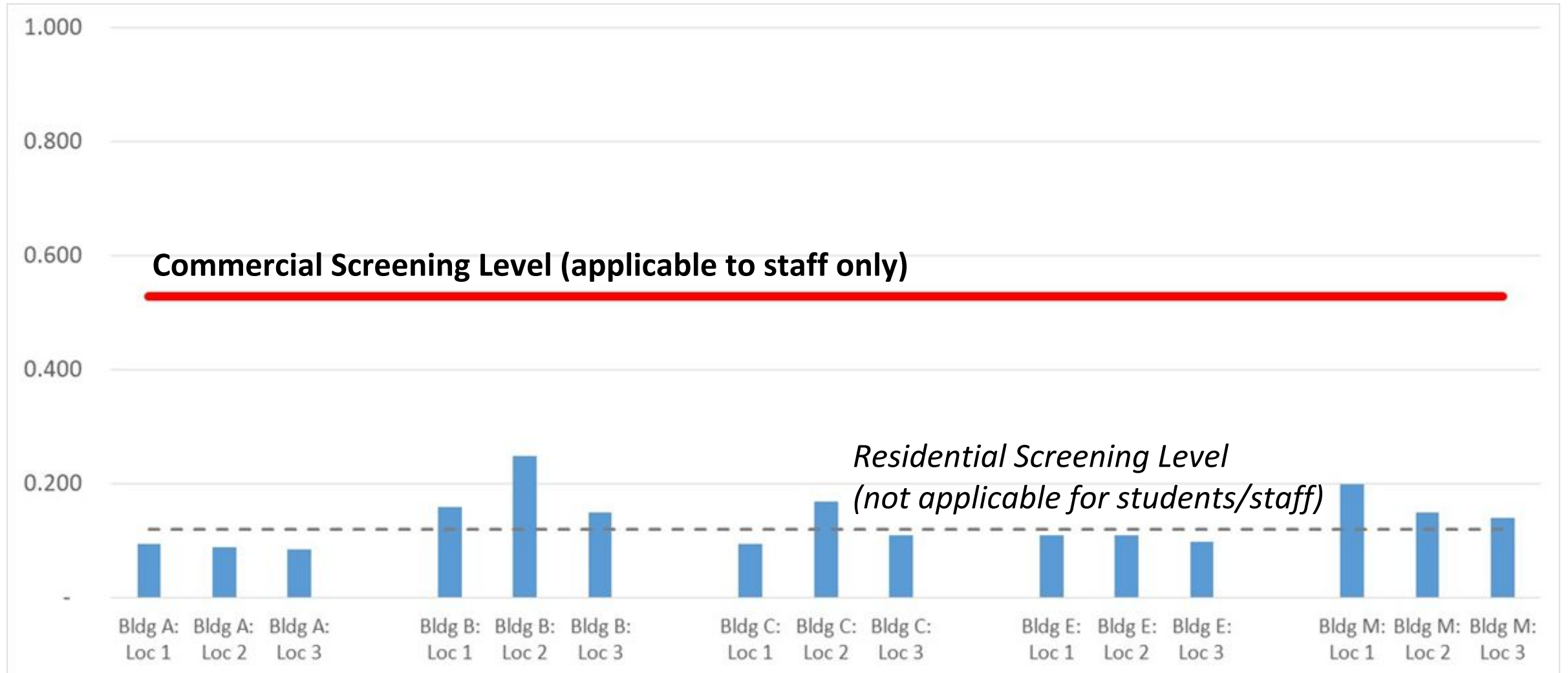
Who to Contact?

- Rebecca Littlejohn, Oakland Unified School District, 510-879-1611, rebecca.littlejohn@ousd.org
- Dilan Roe, Alameda County Environmental Health, 510-567-6767, dilan.roe@acgov.org
- Cheryl Prowell, Department of Toxic Substances Control, 510-540-3967, cheryl.prowell@dtsc.ca.gov
- *For community environmental concerns:* Ed Reiskin, Assistant City Administrator, EReiskin@oaklandca.gov
- *For Outdoor Air Questions:* Henry Hilken, Bay Area Air Quality Management District, 415-749-4642, hhilken@baaqmd.gov

Thank you for joining us this evening!

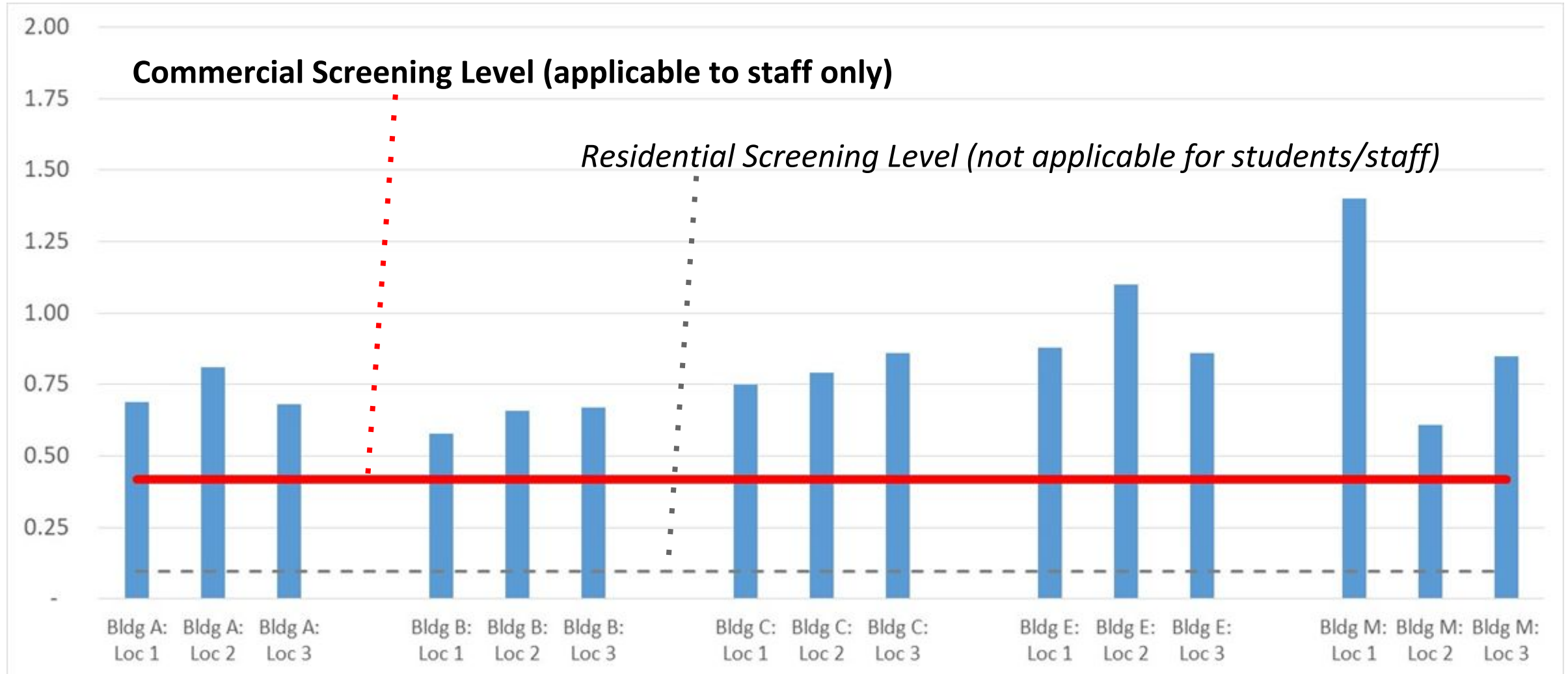
Indoor Air Results

Chloroform with Screening Levels



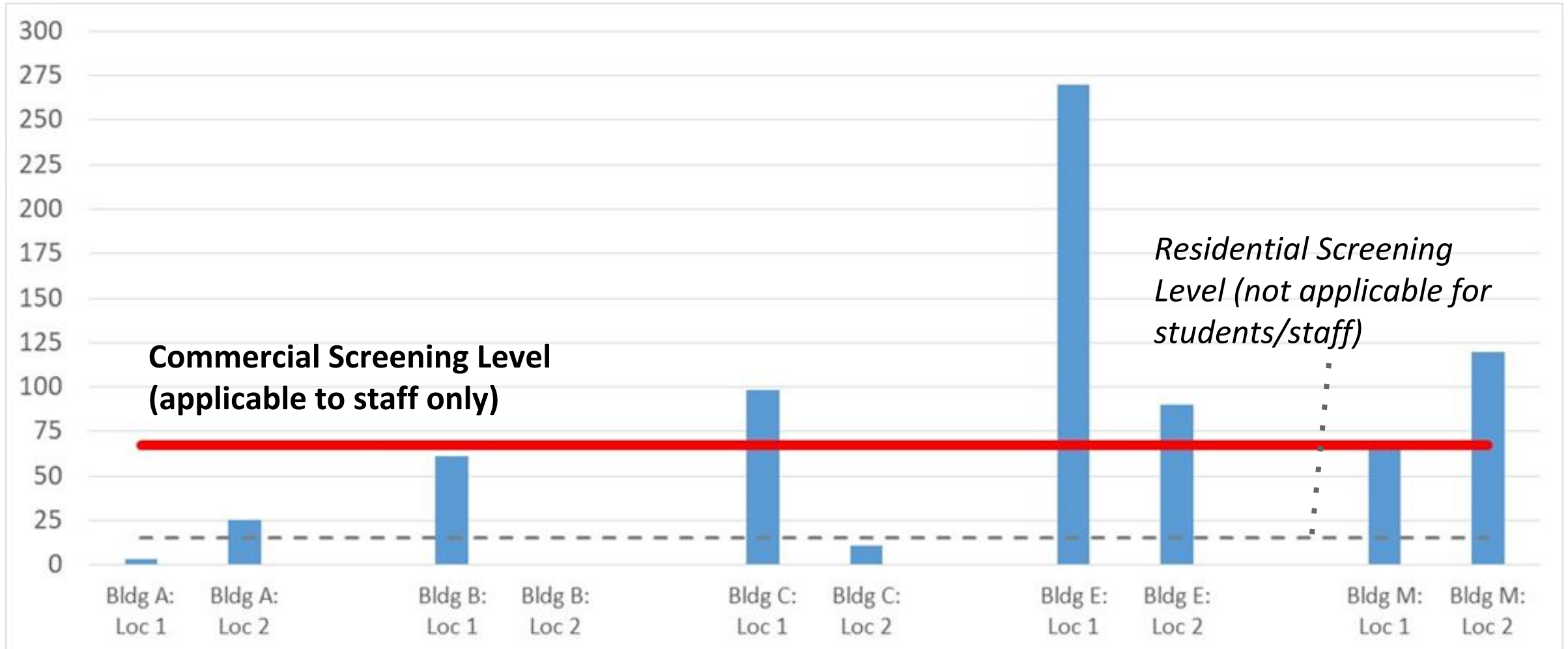
Indoor Air Results

Benzene with Screening Levels



Sub Slab Results

PCE with Screening Levels



Sub Slab Results

TCE with Screening Levels

