

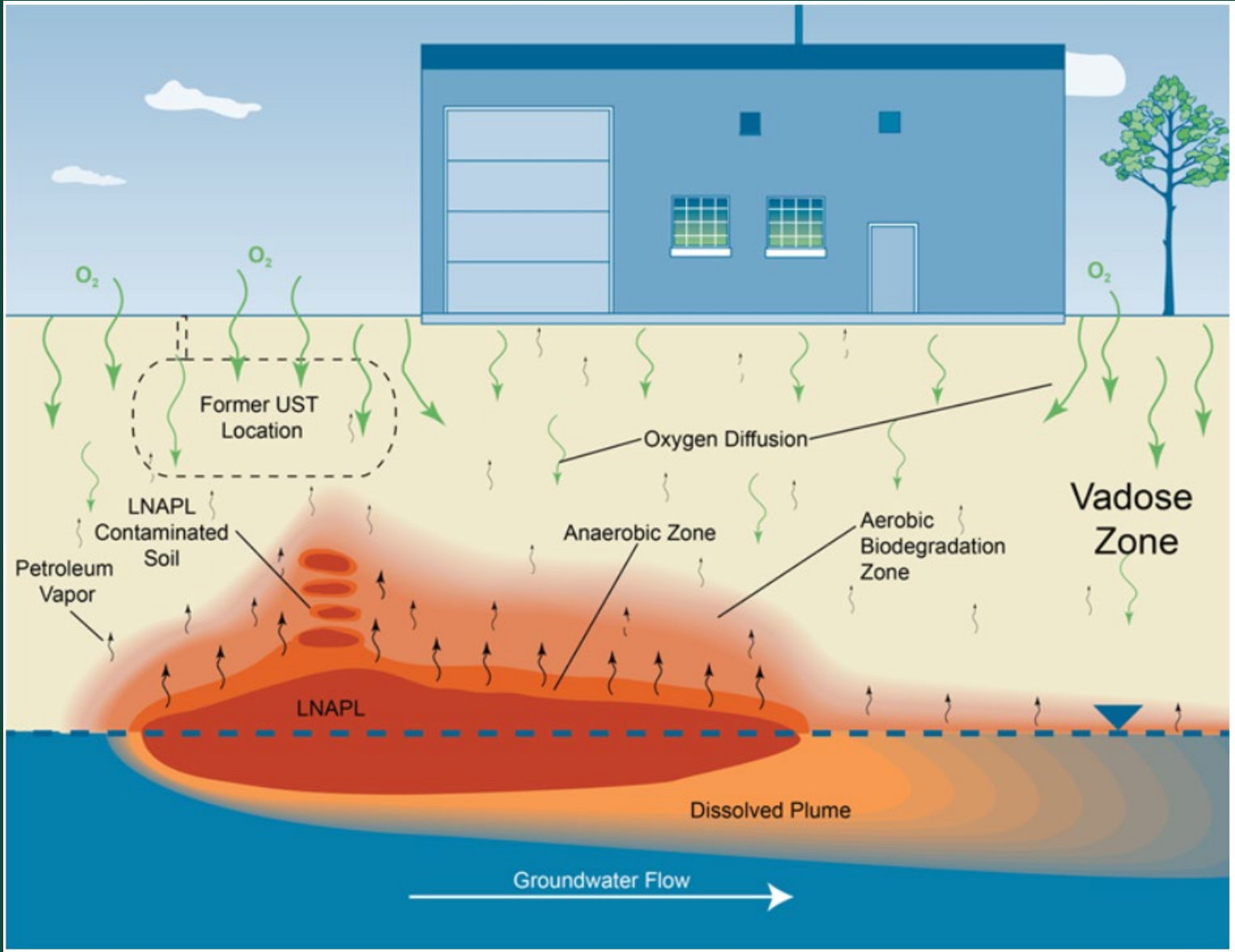


2023 Updates to DEQ's Vapor Intrusion Approach

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Vapor Intrusion Pathway

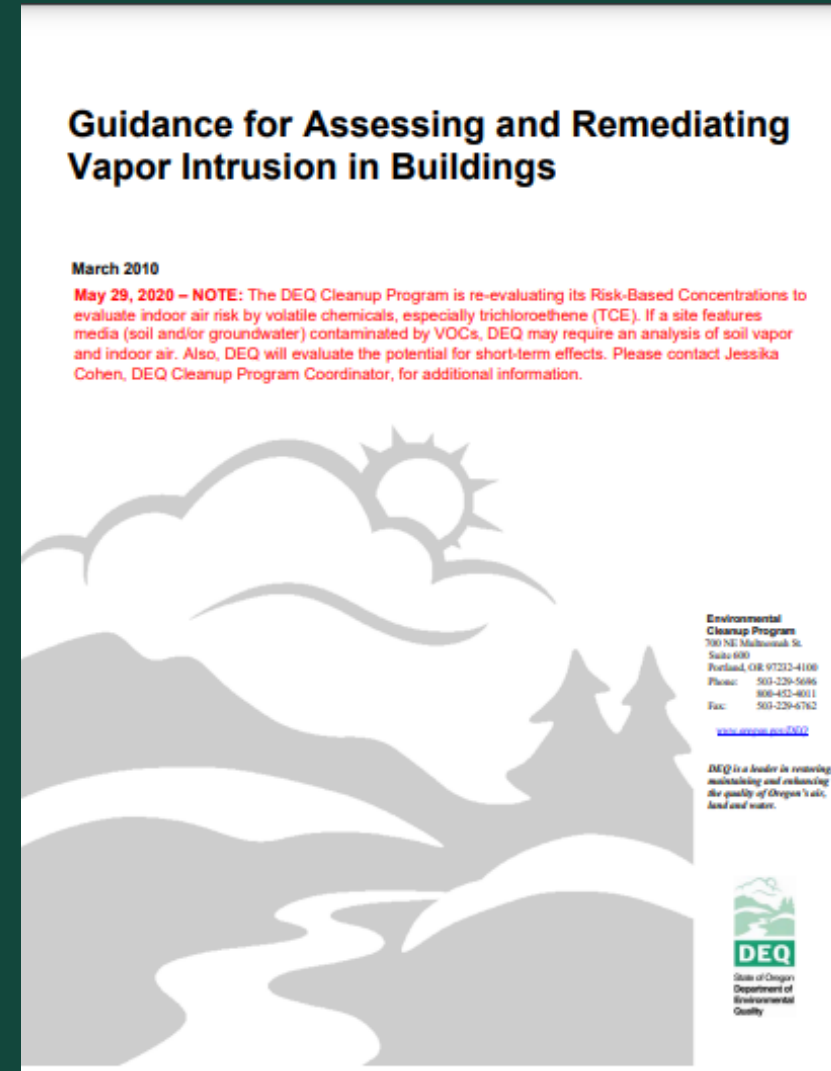


Significance of the Vapor Intrusion Pathway

- Common route of exposure to contamination
- Contamination doesn't stop at a property line
- Concentrations can change based on the weather/seasons
- Health effects can be immediate or long-term

DEQ is Updating Vapor Intrusion Guidance

- Update to reflect the latest science from EPA
- New screening levels (RBCs) are already being used at sites
- **Major updates include:**
 - New screening values are lower and more protective based on soil vapor or groundwater concentrations
 - More chemicals are included in the guidance
 - Longer-term sampling of indoor air
 - Mitigation systems with performance monitoring

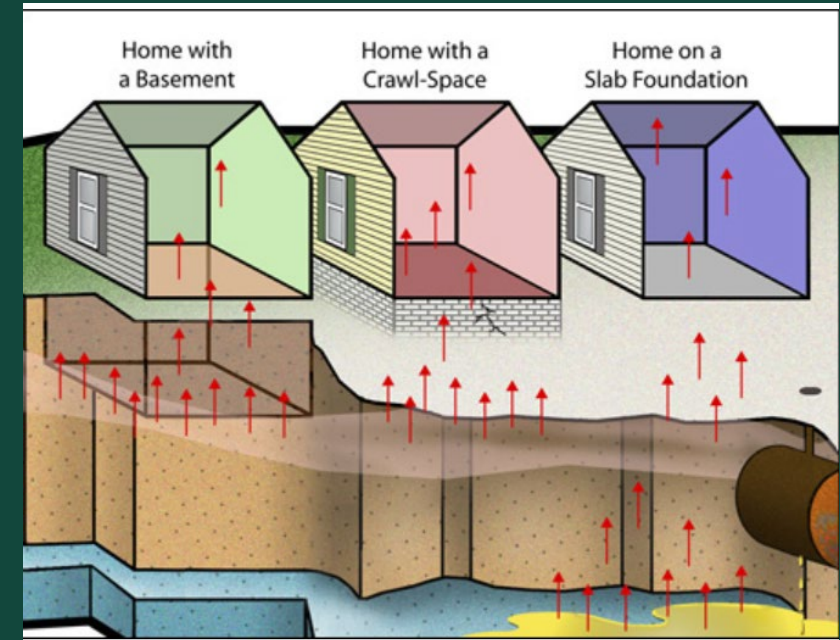


Vapor Intrusion at Brownfields Sites

Vapor Intrusion pathway may not have been evaluated at sites (i.e. if no building was present)

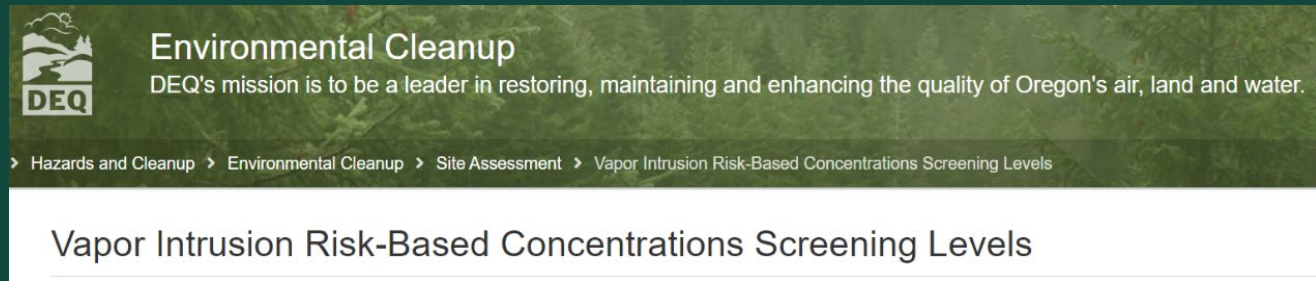
How will new screening levels and protocols be applied:

- All new sites will use new guidance
- Current sites may require this pathway
- Closed sites may be re-evaluated if site conditions have changed (construction or land use)



Learn More

- Draft guidance available in late 2023 (check website)
- 90-day public review period
- For site-specific questions, please reach out to your DEQ project manager



- Website
 - [Department of Environmental Quality: Vapor Intrusion Risk-Based Concentrations Screening Levels: Environmental Cleanup: State of Oregon](#)
- For general VI guidance questions, contact:
 - VIWorkGroup@deq.oregon.gov

