

# Per- and Polyfluoroalkyl Substances (PFAS) Investigation and Remediation Support Services Contract

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# Today's Request

- Requesting Commission authorization for the Executive Director to advertise and award a professional services contract to address Per- and Polyfluoroalkyl Substances (PFAS) on Port properties and facilities.

# What are PFAS?

- PFAS are man-made – “forever chemicals”
  - Break down slowly and can build up in people and the environment
- Developed in the 1940’s, still in use today
  - Disposable food packaging, stain and fire-resistant coatings (clothes, carpet, furniture)
  - Cosmetics, shampoo, deodorant
  - Fire fighting foam
- Exposure to PFAS
  - Working with or using PFAS-containing products
  - Eating/drinking contaminated water and food
- Health Risks
  - Increased risk of some cancers (including prostate, kidney, testicular)
  - Suppressed immune system, hormone disruption
  - Reproductive effects, developmental effects in children

# Fire Fighting Foam at SEA

- Required for Federal Aviation Administration airport certification
- Currently present in 6 areas:
  - Fire Department (crash trucks)
  - Delta, Alaska, and PACCAR hangars (fire suppression systems)
  - Rental Car Facility (fire suppression system)
  - Fuel Farm (fire suppression system)

# Proactive Actions Conducted to Date

- Taking proactive approach to prepare for foam replacement, and to determine environmental conditions
  - Eliminated foam use for training/equipment check requirements
  - Transitioned fire engines (not regulated by the FAA) to PFAS-free foam
  - Participate in environmental and fire response advisory groups at state and national level
  - Preliminary data collection ahead of regulatory requirements
- Actions conducted to confirm no known offsite risks
  - Foam inventory assessment
  - Analysis of past foam uses and releases
  - Preliminary soil and groundwater data collection at select locations

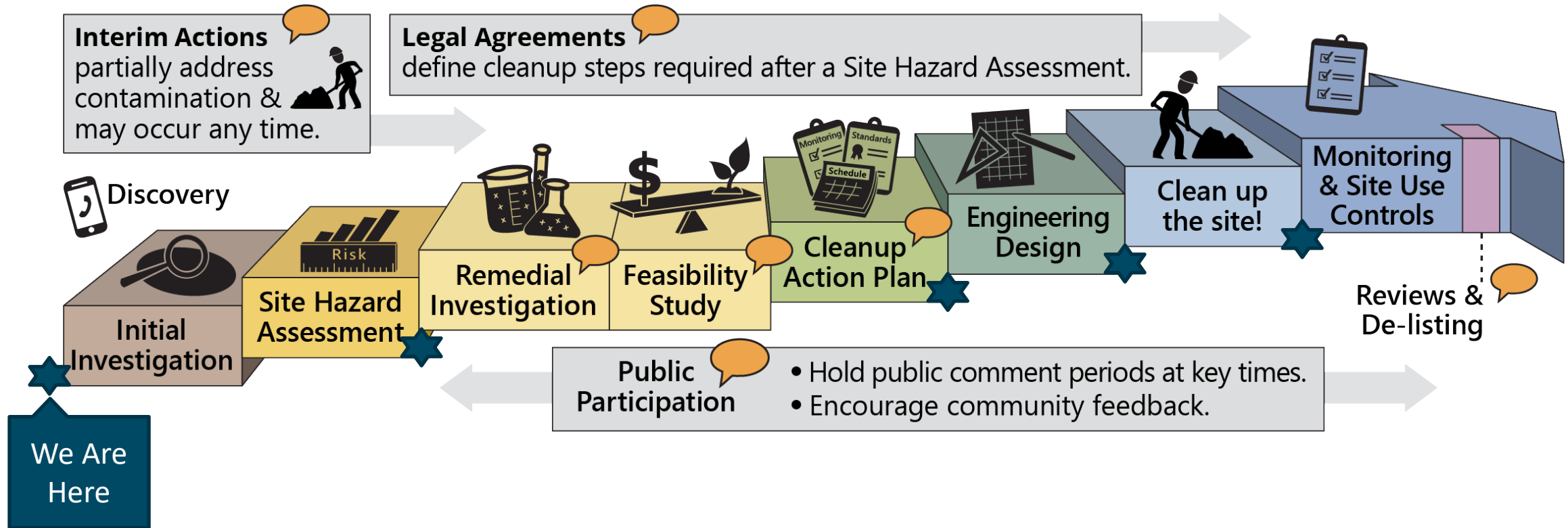
# Proposed Contract Scope

- Consulting support to Port staff for:
  - **Environmental Investigation and Remediation:** what do we have, how much and where, what actions are required, planning, implementation and monitoring of action
  - **Strategic Planning:** Agency coordination, foam replacement planning
  - **Alternatives Assessments for Cleanup and Foam Replacement:** available options, associated costs and risks
  - **Communications/Coordination:** materials development for internal and external briefings with audience-appropriate information
  - **Certified Industrial Hygiene:** assessing Best Management Practices and potential employee exposure

# Critical Near-term Regulatory Drivers

- State restrictions on PFAS in products
- FAA approval of PFAS-free foams
  - Triggers our ability to transition to a PFAS-free foam
- State development of soil and groundwater cleanup standards
  - Kicks off the State cleanup process

# Ecology Diagram of the State Cleanup Process





# Next Steps

- Requesting Commission authorization for the Executive Director to advertise and award a professional services contract to support PFAS work
- Contract procurement
  - Initial contract period of 5 years, with an anticipated 5-year option to extend
  - Contracting authority up to \$10M
  - Scope authorized in phases, by service directives
  - Advertise RFP March 10, 2022
  - Award (single contract) by July 2022
- Ecology cleanup process initiated (~2022-2023)
- Initiate foam replacement (~2023-2024)

# QUESTIONS / DISCUSSION