

# What are institutional controls and information management?

# Why should people care?

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# Learning Objectives

- ▶ **By the end of this presentation, you will be able to:**
  - ▶ **Explain** what Institutional Controls (ICs) mean and what information management means.
  - ▶ **Understand** the roles of EPA, the City of Portland and the State of Oregon in the institutional control and information management work for the Portland Harbor Superfund Site.
  - ▶ **Describe** how the City of Portland and the State of Oregon will develop an Institutional Controls Implementation and Assurance Plan (ICIAP) and an Information Management Plan (IMP).

# Institutional Controls (ICs)

- ▶ Non-engineered instruments, such as administrative and legal controls, that help to minimize the potential for exposure to contamination and/or protect the integrity of a remedial action

*Ensuring our future selves don't wreck the remedy*

- ▶ Implemented during and after the remedy to protect people
- ▶ Used on Superfund Sites where contamination is left in place

# ICs for Portland Harbor: Fish Advisories

**FISH ADVISORY**  
Atención Chú ý 注意 Вниманиe 注意  
Fish from these waters may be harmful to eat, especially for children, pregnant or nursing women, and women of childbearing age.

SALMON STEELHEAD

BASS CATFISH CARP

More information call 1-877-290-6767  
[www.healthoregon.org/fishadv](http://www.healthoregon.org/fishadv)

Oregon Health Authority

Fish advisory sign for the lower Willamette river

**Source:** Oregon Health Authority

- ▶ OR Health Authority uses EPA data to recommend safe amounts of fish to eat.
- ▶ After the remedy is implemented, we expect to see this amount increase.
- ▶ Multnomah County Outreach Program:
  - ▶ Informational meetings and workshops targeting affected community and tribal members
  - ▶ Development and distribution of informational materials
  - ▶ Advisory notifications and signs at known fishing locations

# ICs for Portland Harbor: Land Use/Access Restrictions

- ▶ Implemented in nearshore areas and river banks to maintain the integrity of caps from current or future activities
  - ▶ Easements, covenants, and zoning restrictions,
  - ▶ Often used in conjunction with fencing and signage to prevent human access



Use restriction sign on a Superfund Site  
**Source:** U.S. EPA

# ICs for Portland Harbor: Waterway Use Restrictions or Regulated Navigation Areas

- ▶ Limiting waterway use to prevent disturbing the remedy. This may include:
  - ▶ No Anchorage Areas
  - ▶ No use of spuds for stabilizing vessels
  - ▶ Construction limitations for dredging, pile/pier placement, laying cable, etc.
  - ▶ No Wake Zones



Buoy at the Wycoff Co./Eagle Harbor Superfund Site

**Source:** EPA Region 10 Dive Unit

# Making Portland Harbor info accessible

*Information Management is a need at all Superfund Sites, typically done by EPA.*

## ▶ **Partners & Stakeholders**

- ▶ Community
- ▶ Water front business owners
- ▶ Trustees
- ▶ Designers
- ▶ Regulators
- ▶ Recreators
- ▶ Fishers

## ▶ **Kinds of Information**

- ▶ Project status updates
- ▶ Maps of site conditions
- ▶ Sampling data
- ▶ Institutional Controls
  - ▶ Fish advisories
  - ▶ Waterway Use Restrictions
  - ▶ Development restrictions
  - ▶ Permit requirements for designers



Questions?

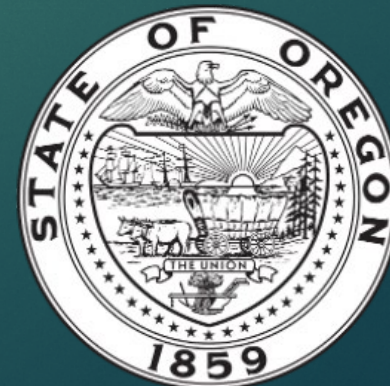


# Building the Portland Harbor Information and Institutional Control Plans:

A Collaborative Approach to Making Site-wide Information Accessible and Transparent

**EPA Public Forum**  
**December 11, 2019**

Cindy Ryals, City of Portland  
Jim McKenna, State of Oregon  
Jessica Terlikowski, City of Portland



# What we're talking about today

- ▶ Project overview and goal
- ▶ Our approach
- ▶ Why this work matters
- ▶ Who is involved
- ▶ How YOU can get involved



# Project overview

- ▶ City of Portland and Oregon Department of State Lands signed agreement with EPA to develop:
  - ▶ Needs Assessment
  - ▶ Programmatic Institutional Control (IC) Plan
  - ▶ Programmatic Information Management Plan
- ▶ Project completion expected within 2.5-3 years
- ▶ EPA oversees all work



# Our goal: integrated site-wide information

## Site-specific Information

- Data
- Individual institutional controls
- Operation/maintenance plans
- Remedy performance monitoring

## Harbor-wide Information

- Standardized reporting
- 5 year reviews
- Fish advisories/other site-wide ICs
- Harbor wide data

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graph TD; A[Site-specific Information] --> B[Central Repository]; C[Harbor-wide Information] --> B; B --> D[Public Portal]
```

Central Repository

Public Portal

# Our approach

- ▶ Recognize importance of partner and stakeholder input for project success
- ▶ Assess partners' and stakeholders' data and information needs through:
  - ▶ Active engagement
  - ▶ Community-led outreach
  - ▶ Workshops
  - ▶ Surveys

## **Partners and Stakeholders:**

- Communities
- Tribes
- Agencies
- Businesses
- Waterfront properties
- Advanced users

# The result



- ▶ Partner and Stakeholder-informed recommendations to EPA for plans to:
  - ▶ Coordinate institutional controls
  - ▶ Manage harbor-wide data and information
  - ▶ Present information in an accessible way to the public

# Harbor-wide Information Plan Components

## Central Online Repository

- Comprehensive database
- Investigation data
- Long-term monitoring information
- Geographic data layers
- Data retention

## Standardized Reporting

- Consistency in:
  - Remedial design
  - Remedial action
  - 5-year reviews

## Information Interface

- Public web portal
- Outreach tools

# Key Components of Sitewide IC Plan

Outline of Harbor-wide ICs  
per the Record of Decision  
(ROD)\*

*\*EPA's final cleanup plan*

Summary of government  
controls

List of possible  
permitting/authorizations  
and tools

Guidance for site-  
specific processes



# Why this work matters

- ▶ Data standardization is necessary for long-term monitoring
- ▶ Diverse partner and stakeholder input helps ensure utility of plans for:
  - ▶ The public
  - ▶ Performing parties and other businesses
  - ▶ Tribes
  - ▶ Agencies
- ▶ Enables harbor-wide coordination of institutional controls
  - ▶ Reporting
  - ▶ Process



# Get involved!

- ▶ Partner and stakeholder engagement
- ▶ City community involvement grant awards
- ▶ Community Grantees will:
  - ▶ Organize input sessions
  - ▶ Co-create and inform project materials
  - ▶ Co-facilitate workshops with City
- ▶ Make your voice heard!
  - ▶ Sign up to learn about input opportunities!



**THANK  
YOU**



hello!

## Contact us!

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Questions?