



Response Update

Olympic Pipeline Gasoline Spill, Conway, WA

March 21, 2024

Conway, WA



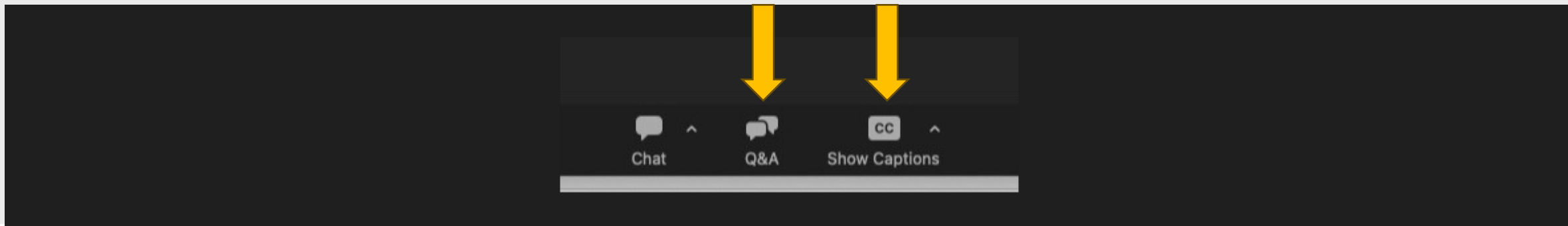
Navigation and accessibility for Q&A

Technical difficulties email Nhi Irwin @ nhoa461@ecy.wa.gov

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Agenda

- **Welcome**
- **Introductions & Opening Remarks**
- **Presentations**
 - Incident Overview
 - Response operations
 - Cleanup endpoints and transition
 - Toxics Cleanup Program
 - Natural Resource Damage Assessment
 - Investigations
- **Q&A**
- **Closing Remarks**



Acknowledgments

Spill response is a group effort

Public entities

National Oceanic and Atmospheric Administration (NOAA); US Fish & Wildlife; Environmental Protection Agency; Washington Department of Fish & Wildlife; Dike District 3; Washington Department of Ecology; Skagit County; Conway Fire Department; Skagit County Department of Emergency Management; Skagit County Public Health; Conway School District

Tribal partners

Swinomish Indian Tribal Community; Lummi Nation; Nooksack Indian Tribe; Muckleshoot Indian Tribe; Samish Indian Nation; Sauk-Suiattle Indian Tribe; Stillaguamish Tribe of Indians; Suquamish Tribe; Tulalip Tribes; Upper Skagit Indian Tribe



Introductions – Subject Matter Experts

Alison Meyers and Laura Hayes – Environmental

Montana McLeod – Wildlife

Josh Weide – Natural Resources Damage Assessment

Kim Wooten, Donna Kirkman, Hannah Hennig – WA Ecology's Toxics Cleanup Program

David Mulligan – Pipeline and Hazardous Materials Safety Administration (PHMSA)



Introductions – Unified Command

Monica Tonel

Federal On-Scene Coordinator
Environmental Protection Agency

David Byers

State On-Scene Coordinator
Dept of Ecology

Joan Cromley

Local On-Scene Coordinator
Skagit Dept of Emergency Management

Keri Cleary

Tribal On-Scene Coordinator
Swinomish Indian Tribal Community

Jeff Solomon

Tribal On-Scene Coordinator
Lummi Nation

Terry Zimmerman

Responsible Party Incident Commander
bp/Olympic Pipe Line Company



Incident description



- **Discharge of gasoline was reported early morning, Dec. 10, 2023**
 - Location: MP 46, block valve site in Conway, along SR 534
- **The discharge was secured Sunday evening**
- **Approximately 21,168 gallons of gasoline were determined to have been discharged**
 - Approximately 5,297 remained inside the vault and were recovered
 - Approximately 15,871 gallons entered the environment
 - 8,324 gallons have been recovered



Incident description

- The vault is situated at the top of a **small hill above Hill Ditch**
- The vault was **partially filled with stormwater** at the time of the discharge
- The **gasoline/stormwater mixture flowed out of the vault**, through the field, toward a forested streambank along Hill Ditch
- **Notifications** were made to agencies, response was activated, and resources were deployed to the site
- **Containment and absorbent boom** set in Hill Ditch according to pre-identified Geographic Response Plans and Olympic's Oil Spill Response Plan
- **Vacuum truck** arrived and recovered gasoline from the vault



Cleanup phases

Emergency Response

- Cleaning up the spilled gasoline while minimizing environmental harm and ensuring the safety of the community and response workers
- Led by a unified command

Restoration

- Assess soil and groundwater for contamination (oversight by Ecology's Toxics Cleanup Program)
- Develop and implement plan for cleanup of any residual contamination and long-term monitoring
- Restore and replant spill impact area

Investigation

- Determine the underlying causes of the spill
- Conducted separately from emergency response
- Separate investigations by Washington State Utilities & Transportation Commission/Pipeline and Hazardous Materials Safety Administration, Ecology, bp

Cleanup and response actions

Numbers as of 3/11:

- 8,324 gallons of gasoline recovered
- 338,412 gallons of oily liquid
- 11,973 cubic yards of contaminated soil
- 1.1M gallons of treated water (ground, storm and ditch) discharged to Hill Ditch
- 32,860 lbs. gasoline contaminated debris

Sheet Pile removal has started

Demobilization of some equipment and resources



Wildlife response

- Wildlife impacts occurred, but worst fears from early risk assessment not realized.
- Wildlife Branch tracks all impacts as they come in, including deaths from other causes (e.g., hunting).
- Several dead animals were collected in first week after incident.
- Other animals were collected during the spill response following the sheet piling work.
- Daily wildlife monitoring has occurred and has included monitoring for amphibian and shellfish impacts.



(Wildlife specialist monitors amphibian traps on perimeter of excavation site)



Emergency Response Endpoints

- No persistent rainbow sheen on Hill Ditch
- Removal of contaminated soil to level as dictated by any of the following limiting parameters:
 - No soil VOC readings >25ppm, or
 - Excavation depth risks compromise of aquifer, or
 - Excavation depth poses safety threat to operations

(Met on March 19, 2024)

- Meet Approved Shoreline Assessment Plan Endpoints in Hill Ditch after Sheet Pile Installation
(Met on March 4, 2024)

- Removal of sheet pile



(SCAT team in Hill Ditch)



Ecology's Toxics Cleanup Program (TCP)



Top: Northern State Hospital cleanup site

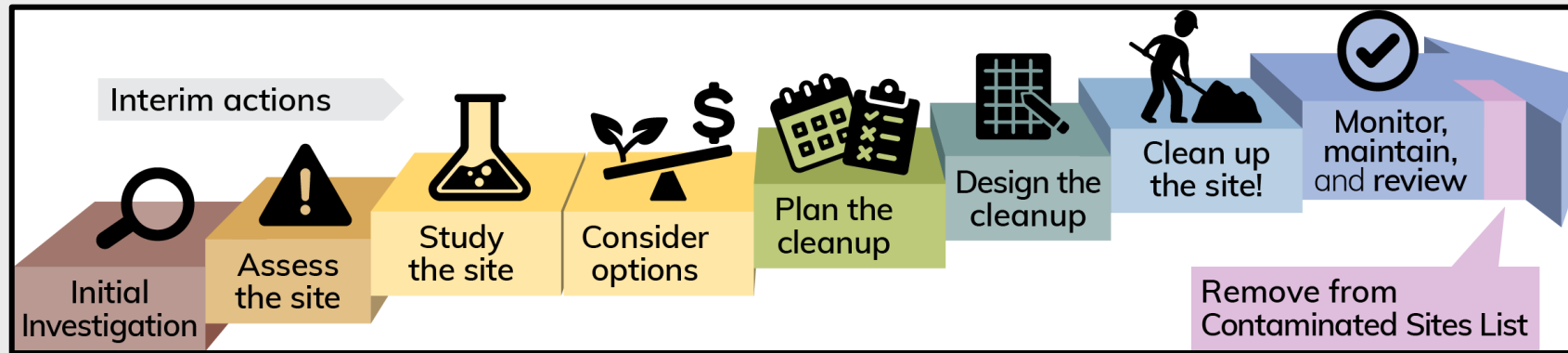
Bottom: Bellingham Bay cleanup site

- TCP implements cleanup of contaminated sites under Washington's cleanup law, the Model Toxics Control Act (MTCA)
- The goal for cleanup is the protection of human health and the environment
- Spills works with sites during an emergency response phase, and TCP works with sites through longer-term cleanup



Toxics Cleanup Program's Initial Investigation Overview

- Initial Investigation is the first step in MTCA process



- Purpose: determine if further actions are needed to investigate or clean up the release
- Initial Investigation is conducted within 90 days
- Quick cleanups are important – Initial Investigations of active cleanups may be extended to 180 days



Defining the Cleanup Site



Aerial image of incident site looking West.

- How TCP determines the site boundary
 - Review available data for soil, groundwater, sediment
 - Site boundaries are not tied to property boundaries
 - Restoration areas may be different
- Properties outside the site boundary
 - TCP will produce a memo identifying the properties included in the site
 - Memo will be available on the site webpage



Toxics Cleanup Program Cleanup Standards



Aerial drone image of incident location facing South.

- We compare lab results to MTCA cleanup levels
- A cleanup level is a number value specific to soil, sediment, groundwater, etc.
 - Based on land use and potential for contamination movement
 - Early stages: used to identify where cleanup needs to happen
 - Later stages: used to determine effectiveness of cleanup
- The emergency response has focused on cleaning up to the most protective levels, which would allow for unrestricted land use



TCP's Initial Investigation Timeline

- TCP's Initial Investigation began when spill was reported on Dec. 10, 2023
 - Cleanup is ongoing
 - Site does qualify for an extension
- 180-day Initial Investigation phase expected to be complete in early June 2024
 - Ecology's report on whether further cleanup is needed will be available Summer 2024
- If site still poses threat to human health & the environment, TCP will work with bp on further cleanup
- We will have more details at the end of the Initial Investigation



How TCP Informs the Public

Olympic Pipeline Conway

Sr 534 Mp 46
Conway, Skagit County

Facility Site ID: 100001019
Cleanup Site ID: 17006

Last updated: 3/12/24

The emergency response phase is ongoing. The Toxics Cleanup Program (TCP) is in the process of conducting an Initial Investigation, which may conclude by June 7, 2024. Simultaneously, BP is in the process of cleaning up impacted soil. At the conclusion of the Initial Investigation, TCP will determine if the Site continues to pose a threat to human health and the environment.

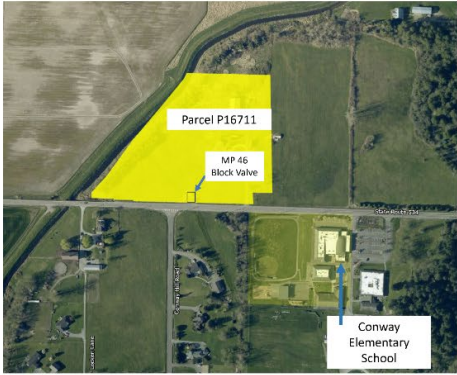
Site Status
Cleanup Started

Site Details
Download Site Report
View documents 0
View contaminants 3

Contacts
Northwest Regional Office
206-594-0000

More about cleanup
• Cleanup comment periods and events
• Terms and acronyms
• The cleanup process
• Contaminated sites in Washington

Site Discovery



Where is the site located?
The Site is located north of SR 534 and northwest of Conway Elementary School.

When and why did the contamination happen?
A gasoline spill occurred at the Olympic Pipeline near Conway on December 10, 2023. A Unified Command consisting of Ecology, the U.S. Environmental Protection Agency, the Swinomish Indian Tribal Community, the Lummi Nation, Skagit Department of Emergency Management, and BP was promptly formed, and containment efforts began. The Unified Command determined

- The Initial Investigation is a technical and administrative step, no associated comment period.
- To help keep you updated, we will:
 - Post weekly updates, both narrative and documents as available, on the site webpage
 - <http://bit.ly/Ecology-OlympicPipeline>
 - Send a notification email to a list of interested parties when the Initial Investigation is complete



Natural Resource Damage Assessment & Restoration (NRDA)



(Still image of mallard ducks from wildlife camera at Fisher Slough, Feb. 5, 2024.)

- WA's NRDA process and timeline
 - Preassessment
 - Assessment
 - Restoration
- Communication expectations
- Opportunities for input
- Joshua.Weide@ecy.wa.gov
- <https://ecology.wa.gov/spills-cleanup/spills/spill-preparedness-response/restoring-resources-after-spills>



NRDA Website



Investigations

Pipeline Integrity Status:

- Assessments of Olympics' valve vault sites with similar tubing configurations have been completed
- WA Utilities & Trade Commission (WA-UTC) provided oversight of the initial assessments conducted by Olympic.
- No similar issues were found.
- WA-UTC and USDOT Pipeline & Hazardous Materials Safety Administration (PHMSA) continue to investigate the 12/10/2023 Olympic Pipeline spill.



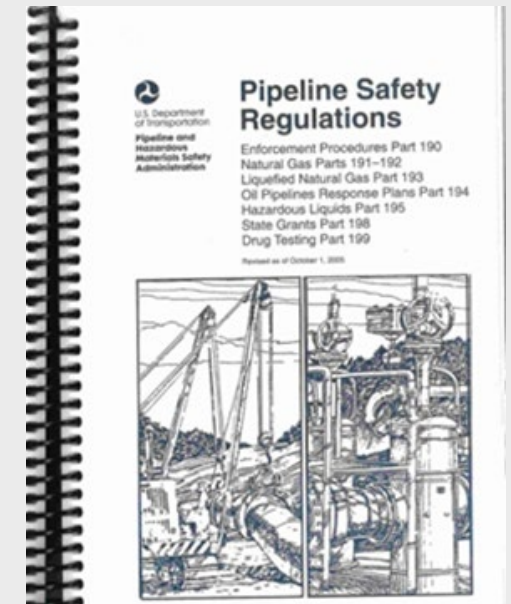
U.S. Department of Transportation
**Pipeline and Hazardous Materials
Safety Administration**



Investigations

Pipeline Failure Investigation Report (~ 1 year from accident date)

- Olympic Pipeline – *Interstate* hazardous liquid pipeline
- PHMSA is responsible for the final report and compliance actions.
- WA-UTC is acting as PHMSA's agent in the investigation
- Final Investigation Report:
 - Events prior, during, and after the release
 - Investigation Findings & Conclusions
 - Direct Cause
 - Contributory Causes



Investigation Resources

Sign up for PHMSA email updates:

<https://service.govdelivery.com/accounts/USDOTPHMSA/subscriber/new>

Past Failure Investigation Reports:

<https://www.phmsa.dot.gov/safety-reports/pipeline-failure-investigation-reports>

Other Resources:

PHMSA Homepage

www.phmsa.dot.gov

Community Toolkit

<http://primis.phmsa.dot.gov/comm/>

National Pipeline Mapping System

www.npms.phmsa.dot.gov

Pipeline Terminology and Basics

<https://www.phmsa.dot.gov/safetyawareness/pipeline/safety-awareness-overview>



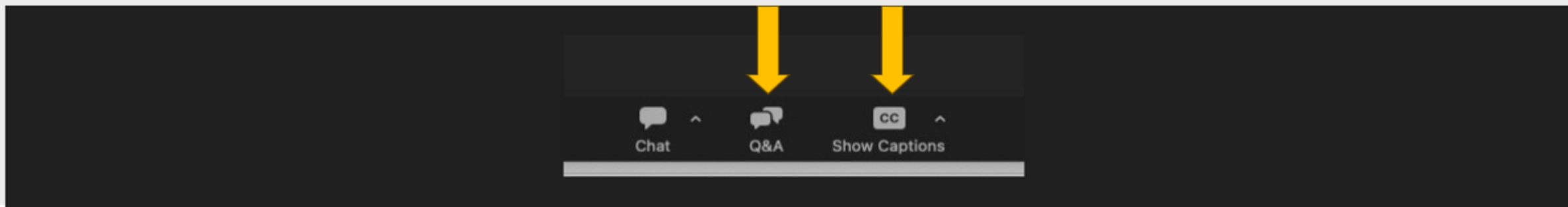
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Thank you

More information:

ecology.wa.gov/OlympicPipelineSpill

<http://bit.ly/Ecology-OlympicPipeline>

Liaison@ecy.wa.gov



Response Website



Remediation Website

