

What happens in a spill? A brief overview of DEQ's response

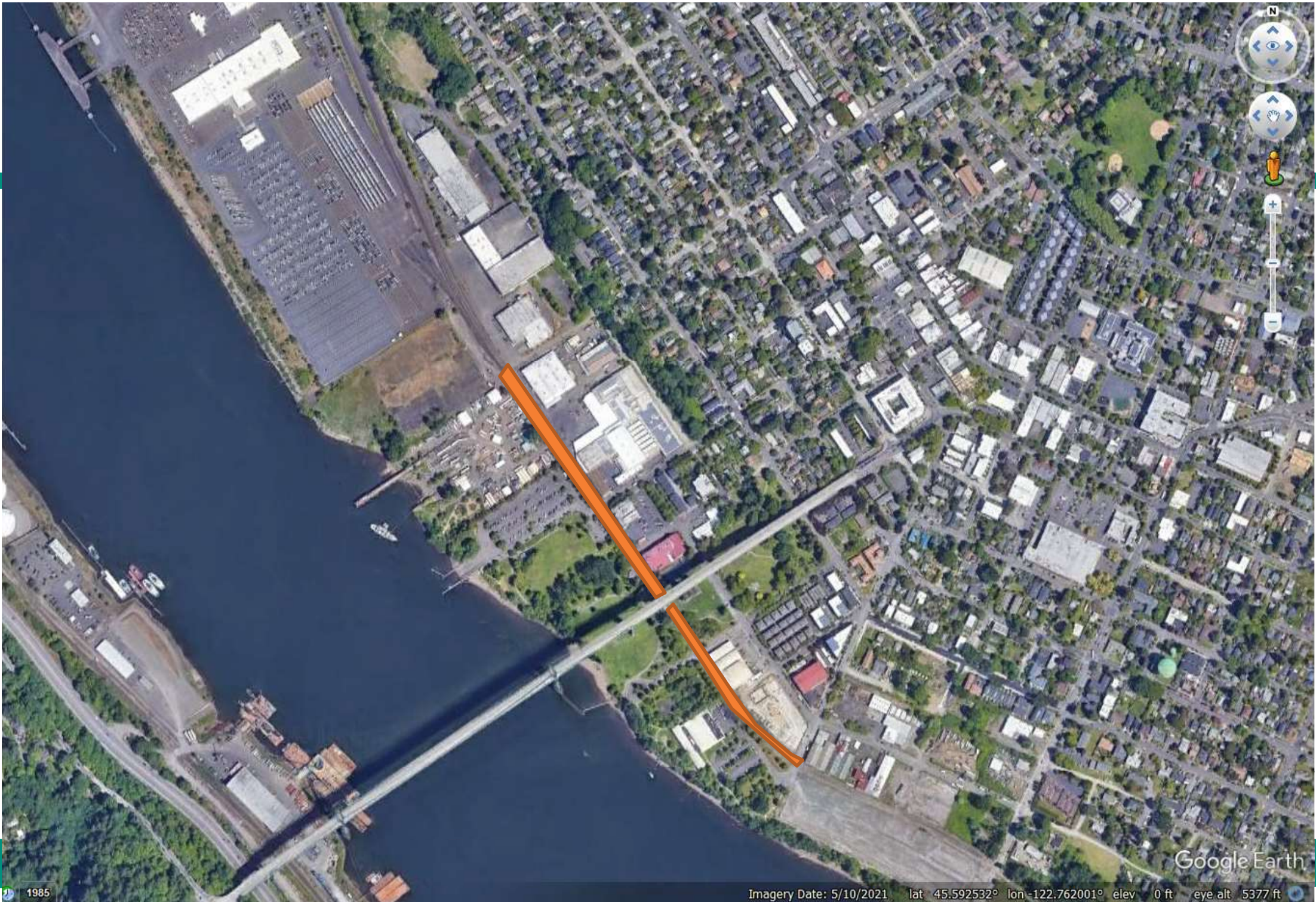
DEQ Emergency Response Program

February 16, 2023
Portland, Oregon

Outline

- Why we're here
- DEQ spills process
- DEQ response to oil spill along railroad in Cathedral Park Neighborhood





1985

Imagery Date: 5/10/2021 lat 45.592532° lon -122.762001° elev 0 ft eye alt 5377 ft

Google Earth

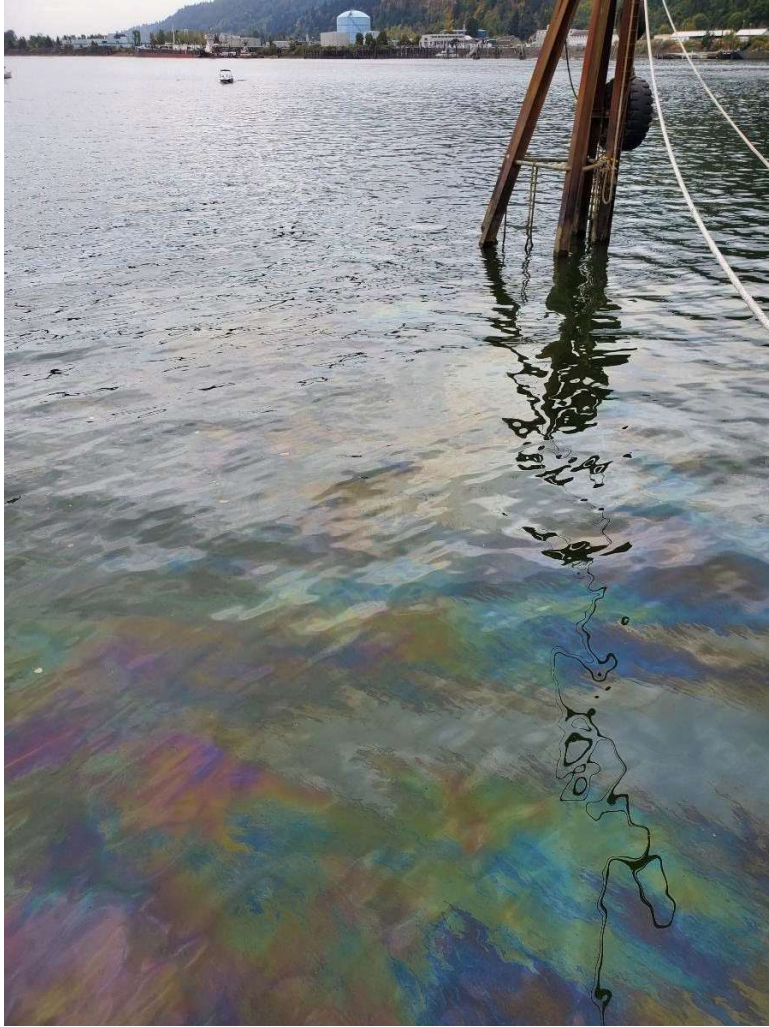


DEQ

DEQ Spills Regions – State On Scene Coordinator (SOSC)



What does an oil spill look like?



What does an oil spill look like?



What does an oil spill look like?



What to do in an oil spill?

- Gather initial information.
- What has spilled?
- Who is the RP?
- What medium has been affected?
- Are there any remediation/initial actions in place?
- OERS: Oregon Emergency Response System
(1-800-452-0311)
- National Response Center (1-800-424-8802)

What happens when a spill is reported?

- Oregon Emergency Response Duty Officers (DO): Disseminate information to agencies such as DEQ, OHA, and local city responders.
- DEQ has 2 Duty officers covering cases for all of Oregon.
 - 1,563 cases for 2022.
 - 1,683 cases for 2021.
- Every single case is followed up and coordinated by a DO, AHDO (After Hour Duty Officer) or SOSOC.

What happens when a spill is reported?

- DEQ (DO or AHDO) will conduct the investigation and gather information.
- Cases can be referred to local agencies/cities/counties.
- City of Portland, Bureau of Environmental Services (503-823-7180)
- SOSOC's take lead for incidents that may be more complex, require deployment or coordination with multiple parties.

Reportable Quantities (RQ)

In the State of Oregon, responsible party must report spill or release to OERS when:

- Any amount of oil is spilled to water, if causing a sheen
- ≥ 42 gallons of oil if spilled to soil or other medium
- Reportable quantity of other hazardous material listed by EPA
- ≥ 200 lbs pesticide or pesticide residue



United States
Environmental Protection
Agency

Office of Solid Waste
and
Emergency Response

EPA 550-B-15-001
March 2015
www.epa.gov/emergencies

LIST OF LISTS

Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-To-Know Act (EPCRA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and Section 112(r) of the Clean Air Act

- EPCRA Section 302 Extremely Hazardous Substances
- CERCLA Hazardous Substances
- EPCRA Section 313 Toxic Chemicals
- CAA 112(r) Regulated Chemicals for Accidental Release Prevention

Available online:

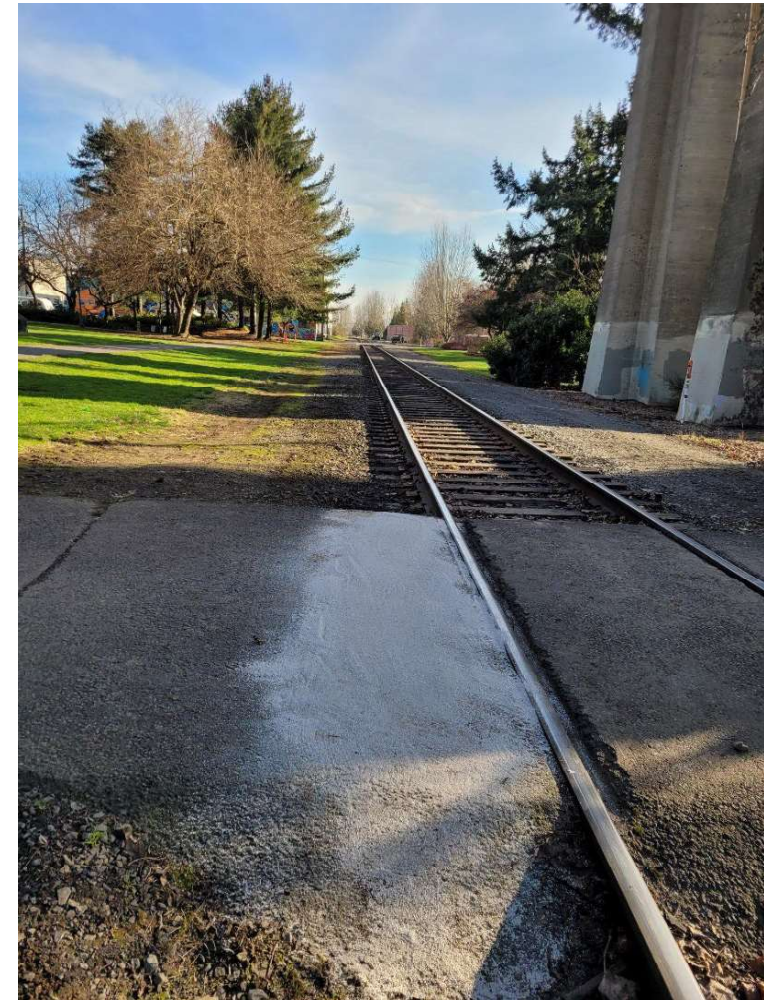
<https://www.epa.gov/epcra/consolidated-list-lists>

Reportable Quantities

- **Reminder:** The responsible party is in no way relieved of obligation to clean up simply because quantity spilled is below reportable quantities



What does a response look like?



What does a response look like?



UPRR Spill January 2023 Summary

- What has spilled: #2 ultra low sulfur red dye diesel, due to faulty fuel filter or oily water from containment
- How much has spilled: 5 gallons – 30 gallons
- Who is the RP: Union Pacific Railroad
- What medium has been affected: railroad ballast rock and soil
- Are there any remediation/initial actions in place: removal of stained railroad ballast rock and soil

OERS 2023-0110: UPRR spill to tracks

- 11/13/23 16:50
 - Initial investigation call to UPRR
- 11/13/23 17:50
 - UPRR called back, contractors on site, no standing fuel. Approximately 5 gallons, street sweeper enroute
 - City inspector inspecting storm drains, no detections in river. Standby for additional info.
- 11/19/23 11:30
 - Meeting with Lauren Wirtis, clean up efforts had gained public interest. Request to UPRR for additional clean up info and spill report to be sent.
- 11/19/23 11:33
 - Chatted with BES, indicated on scene on the 13th, sheen widespread but may be unrecoverable. No sheen in river or manholes in the area.
- 11/23/23 15:24
 - Conducted site investigation with Franziska Landes - walked from Burlington Ave to near Toyota Yard. Noticed additional clean up needed. Discussed spill with Michael Pouncil and Sarah Taylor that were on scene.
- 11/25/23 16:36
 - Meeting with cleanup team and Harry Esteve, relayed information on clean up efforts on 24th, 25th. Conducted another site visit to verify clean up efforts.

January 23, 2023 Site Visit



January 25, 2023 Site Visit



OERS 2023-0249: UPRR 2nd spill on 01/31/23

- 1/31/2023
 - DEQ conducts investigation, traveled 2 miles, contractor on scene, unknown cause.
- 01/31/2023 10:40
 - Called UPRR hazmat manager, indicated loose fuel filter. Contractors dispatched at 0500 utilizing vac truck and sorbents.
 - Deployed on scene to determine clean up efforts, contamination from BES lab to Toyota Yard confirmed.
- 02/01/2023 18:48
 - Deployed on scene at 1300, took pictures and spoke to contractors on scene conducting clean up.
- 02/06/2023 08:01
 - Spoke to UPRR contractor on clean up and coordinated to deploy on scene. This is a good opportunity to see if staining is removed and if there is residual sheen or staining.

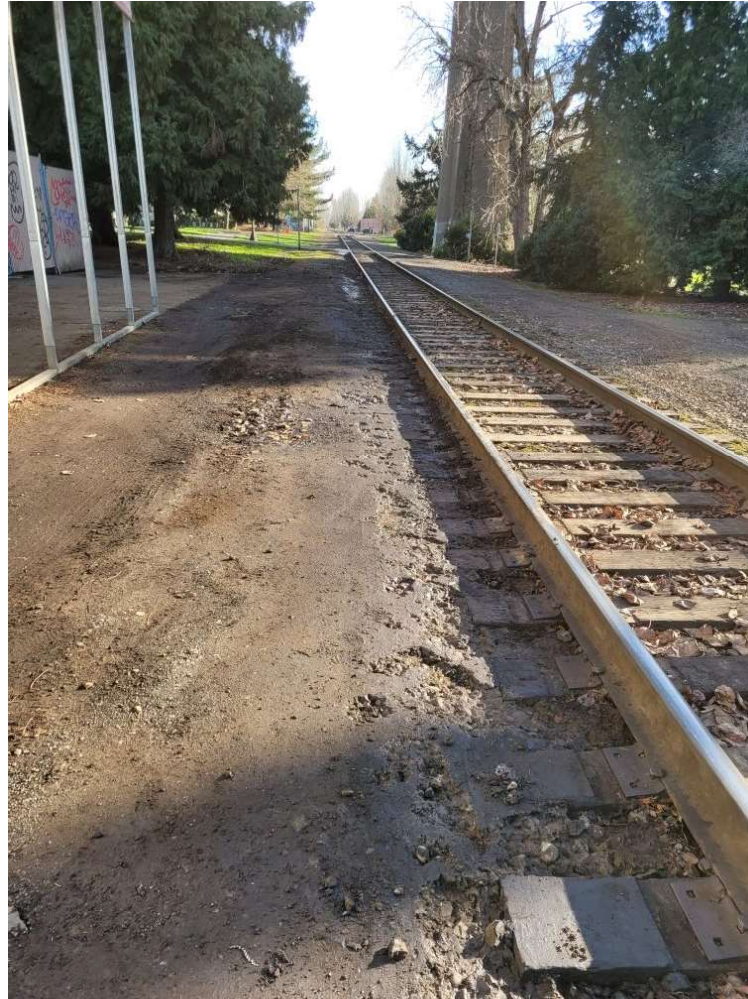
January 31, 2023 Site Visit



February 01, 2023 Site Visit



February 01, 2023 Site Visit



February 06, 2023 with Jacobs Consulting after rain



Summary of response activities after January 31 release

- Placed granular absorbent on paved surfaces at N. Bradford from N. Baltimore to the end of the pavement, the rail crossing at N. Pittsburg and within the Toyota facility and cleaned with a street sweeper.
- Used a vacuum truck to remove stained ballast material from the tracks to the end of the ties on the east side of the tracks. Removed material from approximately 400 feet south of N. Pittsburg Ave. to N. Pittsburg Ave., approximately 1,000 feet beyond the end of the pavement on N. Bradford and along the siding tracks leading into the Toyota facility. Approximately 18 CY of material was removed.
- Approximately 3-4 Cubic Yards were removed from N. Pittsburg to N. Baltimore. This material was segregated from the rest of the material and is being staged in a roll-off at the UPRR Albina Yard. Material will be sampled and characterized for disposal.

Questions?

Documents can be provided upon request in an alternate format for individuals with disabilities or in a language other than English for people with limited English skills. To request a document in another format or language, call DEQ in Portland at 503-229-5696, or toll-free in Oregon at 1-800-452-4011, ext. 5696; or email deqinfo@deq.oregon.gov.