

SPILL/RELEASE REPORT



1 - GENERAL INFORMATION

OERS No. 2023-0143

- a. Company/Individual Name: Port of Morrow
- b. Address: 2 Marine Dr Boardman Oregon 97818
- c. Company Contact Person: Miff Devin
- d. Phone Number(s): 541-481-7678
- e. Report Prepared by: Miff Devin Phone: 541-481-7678
- f. Specific on-site location of the release (and address if different from above):
Corner of Lewis and Clark Dr and Oscar Peterson Dr, Boardman, OR

Please provide a map of the site showing area(s) where the release occurred, any sample collection locations, location of roads/ditches/surface water bodies, etc.

2 - RELEASE INFORMATION

- a. Date/Time Release started: _____ Date/Time stopped: 1-26-23
- b. Release was reported to (specify Date/Time/Name of Person contacted where applicable):
 - ODEQ 1-18-23 1730 Justin Sterger
 - OERS 1-18-23 1735
 - NRC _____
 - Other (describe): _____
- c. Person(s) reporting release: Miff Devin
- d. Name, quantity and physical state (gas, liquid, solid or semi-solid) of material(s) released:
Industrial Food Processing Wastewater

Please attach copies of material safety data sheets (MSDS) or constituent profiles for released material(s).

- e. The release affected: Air Groundwater Surface Water Soil Sediment
- f. Name and distance to nearest surface water body(s), even if unaffected (include locations of creeks, streams, rivers and ditches that discharge to surface water on maps):
Columbia River - 1.2 Miles north
Has the release reached the surface water identified above?: Yes No
Could the release potentially reach the surface water identified above? Yes No
Explain: Discharge rate was minimal and contained within the local location.
In addition there are natural formations and infrastructure blocking the path.
- g. Depth to nearest aquifer/groundwater: 35 to 80 feet
Is nearest aquifer/groundwater potable (drinkable)? Yes No
Has the release reached the nearest aquifer/groundwater? Yes No
Explain: POM is currently verifying and testing the site as repairs take place
but currently there is no evidence to suggest it has reached groundwater.

- h. Release or potential release to the air occurred? Yes No

Explain: Waste stream is in the form of water all solids were capture and removed or contained

- i. Was there a threat to public safety? Yes No

- j. Is there potential for future releases? Yes No

Explain: Leak was mitigated with repair, see attached letter from POM Engineer. Pipeline will eventually be replaced by a future new pipe thats in planning.

- k. Describe other effects/impacts from release (emergency evacuation, fish kills, etc.):

No other effects or impacts from this release to describe at this current time.

- l. Describe how the release occurred. Include details such as the release source, cause, contributing weather factors, activities occurring prior to or during the release, dates and times of various activities, first responders involved in containment activities, etc.:

Leak occured due to an aging fitting in a 45 degree elbow fitting. Age, velocity, type of water with high silts, are all good theories for why this fitting failed. The fitting failed on its back side which is typical and complicated by the thrust block poured on that side. There was no unusual activities or uses leading to the leak to note.

3 - SITE INFORMATION

- a. Adjacent land uses include (check all that apply and depict on site maps):

Residential Commercial Light Industrial Heavy Industrial
 Agricultural Other (describe): _____

- b. What is the population density surrounding the site: 0

- c. Is the site and/or release area secured by fencing or other means? Yes No

- d. Soil types (check all that apply): alluvial bedrock clay sandy
 silt silty loam artificial surface (cement/asphalt/etc.)

- e. Describe site topography: Mainly flat and level but recessed due to infrastructure improvements, namely roads surrounding it on two sides. The opposing side an industry developed the site and raised the lot several feet.

4 - CLEANUP INFORMATION

- a. Was site cleanup performed? Yes No

If No, explain: _____

- b. Who performed the site cleanup?

Company Name: Port of Morrow

Address: 2 Marine Dr. Boardman Oregon 97818

Cleanup Supervisor: Mark Patton

Phone Number(s): 541-481-7678

- c. Has all contamination been removed from the site? Yes No
 If No, explain: In Progress - Full Cleanup to commence once leak is fixed and removed.
- d. Estimated volume of contaminated soil removed: 300 yard
- e. Estimated volume of contaminated soil left in place: 5,000 yard
- f. Was a hazardous waste determination made for cleanup materials? Yes No
- g. Based on the determination, are the cleanup materials hazardous wastes?
 Yes No If Yes, list all waste codes: _____
- h. Was contaminated soil or water disposed of at an off-site location? Yes No
If yes, attach copies of receipts/manifests/etc., and provide the following information:
 Facility Name: _____
 Address: _____

 Facility Contact: _____
 Phone Number(s): _____
- i. Is contaminated soil or water being stored and/or treated on-site? Yes No
 If yes, please describe the material(s), storage and/or treatment area, and methods utilized (attach additional sheets if necessary):
All contaminated soils to be placed on a non-porous base 60 mil HDPE liner and allowed to dry before being disposed of upon DEQ approval.

- j. Describe cleanup activities including what actions were taken, dates and times actions were initiated and completed, volumes of contaminated materials that were removed, etc. (attach additional sheets or contractor reports if necessary or more convenient):
See attached POM letter addressing this category.

5 - SAMPLING INFORMATION

Attach copies of all sample data and indicate locations of sample collection on maps.

- a. Were samples of contaminated soil collected? Yes No N/A
- b. Were samples of contaminated water collected? Yes No N/A
- c. Were samples collected to show that all contamination had been removed?
 Yes No N/A
- d. Describe sampling activities, results and discuss rationale for sampling methods:
Water samples are collected weekly from the South Lift Station. A sample was taken from the leak itself and submitted to the lab for the same sampling required to be done on our lift station by DEQ, we do not anticipate results for 14-19 days. Soil samples will be taken after repair is completed and online of the surrounding soil around the affected leak area.

6 - ADDITIONAL INFORMATION

- a. Provide a description or plan outlining the list of actions to be taken to prevent future releases from occurring.

See attached letter from POM engineer.

7 - SPILL REPORT CHECKLIST

To ensure that you have gathered all the information requested by the Department in this Spill/Release Report, please complete the following checklist:

X Map(s), pre and post cleanup photos of the site showing buildings, roads, surface water bodies, ditches, waterways, point of the release, extent of contamination, areas of excavation and sample collection locations attached.

X Material Safety Data Sheet (MSDS), or constituent profiles for released material(s) attached. **Note: an MSDS is not required for motor fuels.**

X Sampling data/analytical results attached.

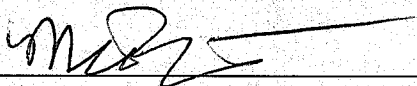
N/A Receipts/manifests (if any) for disposal of cleanup materials attached.

N/A Contractor reports (if any) attached.

If you would like to submit your report by e-mail an electronic version can be downloaded on the internet at this link: <http://www.oregon.gov/deq/filterdocs/SpillReleaseReportForm.pdf>. This form can then be submitted by e-mail to DOSPILLS@deq.state.or.us. Please ensure that emails submitted to DEQ are less than 8 MB each. Multiple emails can be submitted to the DEQ if a report has to be divided into smaller sections for transmittal.

I certify that based on information and belief formed after reasonable inquiry, the statements and information contained in this submittal are true, accurate and complete.

Signature: _____



Date: 1-23-23



January 19, 2023

Justin Sterger, Water Quality Permit Writer
Oregon Department of Environmental Quality
475 NE Bellevue Dr., Suite 110
Bend, OR 97701

Re: 18" IWW South Lift Mainline Leak

Mr. Sterger:

This purpose of this letter is to layout the Port of Morrow's plan to avoid ground water contamination stemming from a leak located in our 18" IWW mainline in the vicinity of the intersection of Oscar Peterson Drive and Lewis and Clark Drive. The leak has been determined to stem from ductile iron degradation in a 45deg elbow fitting. Age of the fitting is our primary theory of failure.

Immediate Response

The POM has mobilized two vacuum trucks (one Port owned and the other borrowed from a neighboring jurisdiction) to expose the leak and provide initial removal of active leaking in assumed flow rates of 25 to 50 GPM calculated based on time it takes to fill known volume of pothole. The wastewater collected by this technique is being hauled and dumped directly into the small side of the 41 ponds.

The POM has also begun excavation of 4 de-watering pits to be located North, East, South, and West of the leak. These de-watering holes will be dug to a depth of 4' below pipe elevation and 24" perforated ADS pipe will be installed to bottom of hole and encased with oversized washed drain rock. Electric submersible pumps with a capacity of 100GPM each will be installed at the bottom of these holes and controlled by a float control system. It should be noted that two of these holes have already been dug and no water (IWW or groundwater) was encountered. These four pumps will be directly connected to a nearby existing 12" pipeline that is part of our circle irrigation system. Any water collected by these pumps will be land applied on POM circle 147. All materials are on-hand in POM inventory. We anticipate the dewatering system to be complete and in-use by 12 o'clock noon on Friday January 20th, 2023. The vacuum truck method will be used until such time.

Long Term Fix

The POM has started procurement (inventory and vendor supplied) of an 18" bypass to be constructed utilizing (2) 18" ductile tees and (4) direct bury butterfly valves. POM will schedule immediate system shut down once materials are procured. The POM anticipates this to be in the Monday / Tuesday timeframe of next week. Bypass rather than fitting replacement is necessary due to large number of adjacent utilities creating limited access for maintenance personnel to excavate and replace.

The POM further plans to eliminate the use of this line in its entirety by the end of quarter 1 of 2023. A new 24" HDPE line will be installed/ completed from the current POM South Lift Station to the 41-Pond location.

The POM further expects to excavate/ remove contaminated material based on soil testing once the bypass is complete. All contaminated soils to be placed on a non-porous base (60 mil HDPE liner) and allowed to dry before DEQ satisfactory disposal. Groundwater is estimated to be over 30' in depth in this location (assumed based on adjacent geotechnical work). We also see low chance of large precipitation in the forecast for the next few weeks.

Summary

I believe the implementation of the processes laid out above will minimize or remove the chances of ground water contamination. As you are aware, our waters have a high percentage of FOGS so horizontal and vertical soil contamination is expected to be minimal due to these fogs bonding with our sandy loam materials and effectively sealing itself. Adequate soil testing will verify this once the leak is effectively fixed. If you have any questions or comments regarding our request, please contact me at (541) 481-7678.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jacob Cain', written in a cursive style.

Jacob Cain, PE
Director of Engineering
Port of Morrow