



ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Spill Prevention and Response
Prevention Preparedness and Response Program
SITUATION REPORT (SITREP)

CHANGES FROM THE PREVIOUS SITREP ARE DENOTED IN RED

2025 Red Dog Mine Process Water Release

SITREP #: 2 and Final

SPILL #: 25389913401

DATE/TIME OF DISTRIBUTION: May 16, 2025, at 12:45 p.m.
Information current as of May 16, 2025, at 9:30 a.m.

POTENTIAL RESPONSIBLE PARTY (PRP): Teck Alaska, Inc. (Teck)

INCIDENT LOCATION: Red Dog Mine, Alaska

DATE/TIME OF SPILL: May 14, 2025, at 01:13 a.m.

HOW/WHEN SPILL WAS DISCOVERED AND REPORTED: The spill was discovered at 02:30 a.m. through a visual observation by mine staff and reported internally. At 02:59 a.m. the spill was reported to the National Response Center and to the Alaska Department of Environmental Conservation (DEC) at 03:27 a.m. Emergency response personnel were on site at 03:15 a.m.

TYPE/AMOUNT OF PRODUCT SPILLED: An initial estimated amount of up to 400,000 gallons of process water was released. On May 15th, after further review of piping flowrate data, Teck downgraded the estimated spill volume to 170,000 gallons. A portion of the revised volume left secondary containment. Of that, up to 1000 gallons left the gravel infrastructure to impact tundra and Red Dog Creek, which is currently not frozen. Process water has the potential to contain zinc, lead, cadmium, and tailing sediments.

CAUSE OF SPILL: A slurry pump failure led to an overflow of process water.

SOURCE CONTROL: At 02:38 a.m. the failed pump was turned off; by 03:20 a.m. process water flows were diverted away from the broken system.

RESPONSE ACTION: A trench was created across the road to divert the spill into a lined containment area. Berms were created to keep the spilled process water on the gravel infrastructure. Vacuum trucks collected approximately 9,700 gallons of process water. The majority of solids in the process water naturally deposited on the gravel infrastructure. The area of release has been well delineated. Crews collected 870 cubic yards of surface material from the gravel infrastructure. Repairs and modifications were made to the road and existing snow berms to direct future runoff into secondary containment and away from sensitive areas.

A preliminary sample of the released process water was collected near where the spill entered tundra and Red Dog Creek for contaminant analysis. The results identified lead as the contaminant of concern in the process



water. The zinc and cadmium results are below DEC regulatory cleanup levels. An additional water sample was collected from a location downstream of the release and is being analyzed.

A Unified Command (UC) was established at 10:00 a.m. on May 14, 2025, with representatives from Teck, DEC, and the Environmental Protection Agency (EPA) to manage and oversee the response. With cleanup actions nearing completion, the UC was disbanded at 12:00 p.m. on May 15, 2025. Supporting agencies remain available as needed. There are no reports of injuries to response personnel.

RESOURCES AT RISK OR AFFECTED: The spilled process water reached tundra and Red Dog Creek. A flyover of the area was conducted to monitor for affected wildlife and none were observed. No impacted fish have been observed. Migratory waterfowl have not begun arriving in the area.

FUTURE PLANS AND RECOMMENDATIONS: The recovered materials will be recycled and processed through routine mining operations. Soil samples from the impacted tundra will be collected this summer and analyzed to verify cleanup levels have been met.

DEC will continue to monitor the response actions and review plans being developed to clean up the contaminated area.

WEATHER:

Today: Clear weather with east to northeast winds of 5 to 10 mph, high of 45F.

Tonight: Partly cloudy with light wind, low of 30F. Chance of rain and snow showers.

UNIFIED COMMAND AND PERSONNEL:

Incident Commander: Darren Jones, Teck

SOSC: Kimberley Maher, DEC

FOSC: Bob Whitter, EPA

DATE/TIME OF THE NEXT REPORT DISTRIBUTION: This is the final report.

FOR ADDITIONAL INFORMATION CONTACT: Kimberley Maher, Northern Regional Manager, DEC (907) 451-2124

[<https://dec.alaska.gov/spar/ppr/spill-information/response/>]



Figure 1: Image showing extent of the release along the road at the Red Dog Creek crossing. The area where the release breached the berm is to the left of the truck. Photo taken by Teck on May 14, 2025.

AGENCY/STAKEHOLDER NOTIFICATION LIST:

Please refer to the first SITREP, distributed May 14, 2025, for the agency/stakeholder notification list. The first SITREP can be found by following the link in the **Additional Information** box above.