



ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Division of Spill Prevention and Response  
Prevention, Preparedness and Response Program  
**SITUATION REPORT**

**CHANGES FROM PREVIOUS SITREPS ARE DENOTED IN RED.**

## Lynden Truck Hazmat Rollover Richardson Highway



**SITREP #:** 3 and Final

**SPILL #:** 16309900801

**TIME/DATE OF DISTRIBUTION:** 4:00 pm, January 27, 2016

**POTENTIAL RESPONSIBLE PARTY (PRP):** Lynden Transport, Inc. (Lynden)

**INCIDENT LOCATION:** Milepost 299, Richardson Highway

**TIME/DATE OF SPILL:** 12:00 pm, January 8, 2016

**HOW/WHEN SPILL WAS DISCOVERED:** On January 8, 2016, a southbound Lynden tractor trailer hauling a chemical load left the roadway and tipped over onto its side. The trailer split and there was a white vapor cloud emanating from the trailer.

**TYPE/AMOUNT OF PRODUCT SPILLED:** The tractor trailer was carrying a cargo consisting of: 2 totes of nitric acid (67% concentration); 24 drums of solid sodium hydroxide; 1 tote of liquid sodium hydroxide solution; 1 tote of hypochlorite; and 6 totes of hydrochloric acid. Lynden has inventoried the recovered containers and determined that the quantity of products spilled were 150 pounds of nitric acid, 1/3 drum of solid sodium hydroxide, 151 pounds of hypochlorite solution, and 550 gallons of hydrochloric acid. All recovered cargo has been either delivered to the customer or is awaiting evaluation for recycling or disposal.

**CAUSE OF SPILL:** Motor vehicle accident.

**SOURCE CONTROL:** At this time, all containers have been removed from the site during initial emergency response actions.

**RESPONSE ACTION:** Lynden has activated National Response Corporation (NRC) Alaska and Restoration Science & Engineering, LLC (RSE) to assist with cleanup. The Fairbanks North Star Borough HAZMAT team was activated to safely assess the situation and perform offloading operations. The trailer initially was not in good enough condition to tow away. It has been dismantled and removed from the site. All chemical containers and contaminated snow have been removed from the site. RSE developed and executed a work plan that involved slowly irrigating the area of the release with sodium hydroxide solution to neutralize the spilled acid in the soil. Based on a detailed site investigation using trackhoe-dug test pits and a hand-operated vibratory drive sampler, the limits of the acid release and the sodium hydroxide solution applied to the spill area appear to be confined to a localized area near where the trailer came to rest, and limited in downward migration into the soil by a thick layer of silt. RSE estimates a total of 75 cubic yards of impacted material from the spill, which remains on site to be addressed in future discussions regarding further remedial actions. Following neutralization, a 2-foot layer of

clean fill was placed over the affected area. ADEC and Lynden will remain in close contact with the appropriate agencies during any further remediation efforts. At this time emergency operations have ended, personnel and equipment have demobilized from the site, and travel along the Richardson Highway is no longer affected.

**RESOURCES AFFECTED:** Soil adjacent to the Richardson Highway roadbed was impacted from this spill. Soil samples extended to groundwater were neutral in pH and showed no signs of impacts to groundwater.

**FUTURE PLANS AND RECOMMENDATIONS:** RSE will be providing interim data from the neutralization and a corrective actions summary report for agency review. The data provided in this report will assist in additional discussions regarding final cleanup options, which are expected to take place to coordinate remedial site activities in the spring. This cleanup has now moved from the response phase to the project management phase.

**WEATHER:** Today: Cloudy skies, 30% chance of snow showers in the afternoon, low 15°F, high 24°F, winds E at 10 to 15 mph. Tomorrow: Partly cloudy, low 7°F, high 18°F, winds E at 5 to 10 mph.

**UNIFIED COMMAND AND PERSONNEL:**

Incident Commander: Richard Hennagin, Lynden Transport, Inc.

SOSC: Tom DeRuyter, ADEC

FOSC: Bob Whittier, EPA



Figure 1. Spill area with a "cap" of clean fill two feet deep. [Photo: RSE]

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

**FOR ADDITIONAL INFORMATION CONTACT:**

Ashley Adamczak, TAPS/Interior Unit Supervisor, ADEC (907) 451-2124

[[dec.alaska.gov/spar/ppr/response/sr\\_active.htm](http://dec.alaska.gov/spar/ppr/response/sr_active.htm)]

**AGENCY/STAKEHOLDER NOTIFICATION LIST:**

Please refer to the first SITREP, distributed on January 8, 2016, for the agency/stakeholder notification list. The first SITREP can be found by following the link in the **Additional Information** box above.