

**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
**Division of Spill Prevention and Response**  
**Prevention and Emergency Response Program**

**SITUATION REPORT**

**INCIDENT NAME:** Lisburne Common Line Release

**SITREP #:** 7

**SPILL NUMBER:** 09399933301

**LEDGER CODE:** 14281660

**TIME/DATE OF SPILL:** The spill was discovered at approximately 3:05 AM, November 29, 2009 by the BPXA operator making a routine check. BPXA notified ADEC at approximately 4:45 AM on November 29, 2009.

**TIME/DATE OF SITUATION REPORT:** 1:00 PM on December 5, 2009

**TIME/DATE OF THE NEXT REPORT:** 2:00 PM on December 6, 2009

**TYPE/AMOUNT OF PRODUCT SPILLED:** The spill was from an 18-inch three-phase common line carrying a mixture of crude oil, produced water, and natural gas. BPXA estimated the total volume of oily material released to be 45,828 gallons (1,091 barrels).

**LOCATION:** Approximately 1.5 miles from the Lisburne Production Center (LPC) heading east along the Drill Site Line 3 (L03) and west of T3C, Prudhoe Bay, North Slope, Alaska.

**CAUSE OF SPILL:** The cause of the spill is unknown and is under investigation.

**POTENTIAL RESPONSIBLE PARTY (PRP):** BP Exploration Alaska, Inc. (BPXA)

**RESPONSE ACTION:** The preliminary spilled volume of oiled material is an estimated 45,828 gallons (1,091 barrels), based on the Unified Command (UC) approved Light Detection and Ranging (LIDAR) and Laser Profiler techniques. LIDAR is technology that uses an airplane based laser to collect topographic data for mapping. The Laser Profiler is a technique relying on ground based laser for detailed topographic data collection. LIDAR data from the summer of 2006 was compiled with current Laser Profiler data of the spill site to estimate the total volume of discharged oily material.

Approximately 40 cubic yards of contaminated material was manually removed from the spill site during the 24-hour operational period ending at 6:00 AM today. This brings the total volume of contaminated material removed from the site to approximately 160 cubic yards. This material will be stored at the East Dock ice pit until it is melted and the volume of oil measured. Once the cleanup is complete and all collected product is measured, the final estimation for spilled product will be determined.

BPXA began x-raying the line during the night shift on December 3. Analysis of the initial images indicates extensive ice plugs within the 18-inch line; one ice plug measured approximately 1,500 feet in length. Additional x-ray images were collected during the night shift ending at 6:00 AM on December 5. Based on the compiled x-ray images, it was determined the 40-foot diameter exclusion zone could safely be retracted, thus allowing access to the heavily contaminated product closest to the pipeline leak location. However, as a continued precaution to insure worker safety, heavy and mobile equipment will remain at least 10 feet from the pipeline leak location and all open flames or spark-creating equipment will remain 75 feet from the delineated outer perimeter of heaviest contamination.

Following the discovery of the less viscous, liquid product, BPXA requested and received UC approval to use steamer tactics with vacuum truck recovery for site cleanup. Planning is underway to use the steamer tactic for initial site cleanup. The steamer tactic applies localized heat to the snow and oiled material and the resultant liquid product is recovered by the vacuum truck. This tactic generates less waste and is more effective than water flushing. Work commenced at approximately 4:00 PM on December 4 to build a 3-foot ice berm around the spill site to

contain oily water. The ice berm is estimated to be completed in the early afternoon today. Steamer tactics will commence once all necessary equipment is moved to the staging area.

**SOURCE CONTROL:** The common line between the LPC and L03 was shut in. BPXA reports that the 18-inch line is no longer leaking product.

**RESOURCES AFFECTED:** BPXA estimates that 8,400 square-feet of snow-covered tundra have been affected with some contamination on the gravel road. Reports indicate that no product has reached the waters or shorelines of Prudhoe Bay. There are no reports of affected wildlife at this time.

**FUTURE PLANS AND RECOMMENDATIONS:** Steamer operations will continue until all gross contamination has been collected. If the steamer tactic is unable to adequately collect contamination, water flush and vacuum recovery tactics may be applied to the site. During water flushing, warm water is applied to the site melting the contaminated snow and washing the tundra. The water is collected in vacuum trucks and recycled or disposed.

Under these new cleanup tactics, heavy equipment will not need to access the South Division site directly, making it unnecessary to create an access trench through tundra from the staging area. However, in the event heavy equipment access becomes necessary, BPXA has received the permits necessary to build a 1.25 mile ice-road from LPC directly to the South Division spill location. Surveyors are on site today plotting the planned route.

**WEATHER:** Cloudy with patchy fog. Temperatures are -5°F to 0°F. East winds 10 to 20mph. Tonight's forecast includes clouds with a chance of snow with patchy fog after midnight. Temperatures are expected to rise to 5°F. East winds 10 to 25mph.

**UNIFIED COMMAND AND PERSONNEL:**

Incident Commander: Randy Selman, BPXA  
F.O.S.C.: Matt Carr, EPA  
S.O.S.C.: Tom DeRuyter, ADEC  
Field S.O.S.C.: Brian Jackson, ADEC  
L.O.S.C: Waska Williams, North Slope Borough

**FOR ADDITIONAL INFORMATION CONTACT:** Dale Gardner, ADEC, (907) 632-2626 or Scot Tiernan, ADEC, (907) 465-5378.

Photographs and other spill information are available for viewing at:

<http://www.dec.state.ak.us/spar/lisburne>

## **AGENCY/STAKEHOLDER NOTIFICATION LIST**

This sitrep has been distributed to the following agencies and stakeholders. Situation report was also distributed to the various agency staff listed on the standard distribution list. The receiving agencies listed in the standard distribution list includes: Governor's office, Senator Begich's office, ADF&G, ADNR, SECC, EPA, DOI, NMFS, and USFWS.

AGENCY/STAKEHOLDER	NAME	SENT VIA	ADDITIONAL INFO	TELEPHONE	FAX
ADNR	Gary Schultz/ Melissa Head/ Sean Willison	Fax		451-2732/ 451-2719/ 451-2724	451-2751 or 659-2965
ADF&G (Habitat)	Al Ott/Jack Winters	Fax		459-7285 or 459-7279	459-7303
AOGCC		Fax			276-7542
EPA	Matt Carr/Robert Whittier	Fax		271-5083 or 271-3247	271-6340
Attorney General Office	Cam Leonard/ Steve Mulder	Fax		451-2811/451-2914	451-2985/ 278-7022
Governor's Office (Fairbanks)	Parnell/Campbell	Email	<a href="mailto:governor@alaska.gov">governor@alaska.gov</a>	451-2920	451-2858
Lt. Governor's Office (Juneau)	Parnell/Campbell	Fax			465-5400
Senator Murkowski's Washington DC Office	Chief of Staff	Fax	North Slope only	(202) 224-6665	(202) 224-5301

AGENCY/STAKEHOLDER	NAME	SENT VIA	ADDITIONAL INFO	TELEPHONE	FAX
Senator Murkowski's Office in Fairbanks		Fax	North Slope only	456-0233	451-7146
Legislator (Senate T)	Donnie Olson (D)	Fax	Nome	465-3707	465-4821
Legislator (House 40)	Reggie Joule (D)	Fax	Kotzebue	465-4833 or (800) 782-4833	465-4586
North Slope Borough	Edward Sagaan Itta	Fax	Mayor	852-0200	852-0337
North Slope Borough	Johnny Aiken	Fax	Planning Director	852-0440	852-5991
BP Exploration Inc	Crisis Center	Fax	When activated	564-5243	564-5180
BP Exploration Inc	Crisis Mgmt Unit	Fax	Dept Admin	564-5801	564-5180

Acronyms/Abbreviations:

ADF&G = Alaska Department of Fish and Game  
ADNR = Alaska Department of Natural Resources  
AOGCC = Alaska Oil and Gas Conservation Commission  
DOI = U.S. Department of Interior

EPA = U.S. Environmental Protection Agency  
NMFS = National Marine Fisheries Service  
SECC = State Emergency Coordination Center  
USFWS = U.S. Fish and Wildlife Service



The day-shift crew building an ice berm around the spill site in preparation for steamer tactics.