

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

**SITUATION REPORT**

**INCIDENT NAME:** Drill Site 2H Produced Water Spill      **SITREP #:** 2

**SPILL NUMBER:** 05399908501      **LEDGER CODE:** 14101860

**TIME/DATE OF SPILL:** The release was discovered on Saturday March 26, 2005 at approximately 10:30 AM by ConocoPhillips Alaska, Inc. (CPAI) personnel.

**TIME/DATE OF SITUATION REPORT:** Tuesday March 29, 2005 at 4:00 PM.

**TIME/DATE OF THE NEXT REPORT:** Wednesday March 30, 2005 at 4:00 PM

**TYPE/AMOUNT OF PRODUCT SPILLED:** CPAI reports that the approximately 111,300 gallons (2,650 barrels) of a mixture of 30% seawater and 70% produced water was released to both gravel pad and tundra. Produced water is a mixture of water and crude oil.

**LOCATION:** The release occurred at Drill Site 2H, which is in the Kuparuk oil production field. Kuparuk is approximately 40 miles west of the Prudhoe Bay oil field on the North Slope of Alaska.

**CAUSE OF SPILL:** The source of the spill is a 6-inch produced water/seawater injection line that transports water from the Central Processing Facility #2 (CPF-2) to Drill Site 2H for injection. The leak appears to be located in the below-grade section of the cased pipeline located under the gravel pad. The exact cause of the leak is yet to be determined. A line excavation and inspection may be required before the cause can be determined.

**POTENTIAL RESPONSIBLE PARTY (PRP):** CPAI

**RESPONSE ACTION:** Two DEC responders are currently in Kuparuk to participate in the Incident Management Team (IMT) as well as to oversee cleanup and disposal activities. A 24-hour cleanup operation is in effect. DEC is staffing both the day and night time shifts. A repair plan for the pipeline is being developed.

Spill response contractors currently working at the spill site include Alaska Clean Seas (ACS), CCI, PENCO, and the Village Response Team (VRT). On 3/29/05 the daytime cleanup team consisted of 20 spill response members, and the night-time cleanup team will consist of 17 spill responders. Mutual aid responders have also been incorporated in the spill response.

Primary operations include completing the delineation of the spill site and moving clean overburden snow from around the pipe-rack. The current spill site was surveyed yesterday and the total area impacted was 1.68 acres. However it has been noted that the spilled material has migrated beyond the surveyed area. Once delineation has been finalized the site will be re-surveyed.

An ice pad was constructed on the 2H gravel pad to be used as an interim storage site for contaminated snow. All contaminated snow will be transferred into a snow-melter located on site. All contaminated liquids will then be injected at an approved Class II disposal well. The waste management plan was approved by ADEC on March 28, 2005.

Approximately 2,730 gallons (65 barrels) of free product has been removed from the spill site.

**SOURCE CONTROL:** The pipeline was de-pressurized and later de-inventoried (removal of all liquids). After being de-inventoried, the pipeline was blinded at both ends.

**RESOURCES AFFECTED:** The aerial extent of the spill on the snow-covered tundra is unknown. It is also unknown as to how much gravel has been impacted near the buried section of the pipeline.

Kalubik Creek is located approximately ½ mile west of the spill site, a Spectacled Eider nesting area is approximately ½ mile north-east of the spill site, and an environmentally sensitive area has been identified approximately ½ mile south-east of the spill site. None of these areas have been impacted. There have been no reports of impacted wildlife.

**FUTURE PLANS AND RECOMMENDATIONS:** CPAI will continue to develop repair plans for the damaged section of below-grade pipeline.

Begin flushing the spill site with warm fresh water, to aid in the removal of spilled material from the tundra. Fluids will be recovered with a vacuum truck. Flushing activities are expected to commence within the next three days. ADEC will review the cleanup and sampling plan.

**WEATHER:** Mostly cloudy, temperature -10 ° F, N winds up to 5-10 mph, winds chill -27 degrees F.

**UNIFIED COMMAND AND PERSONNEL:**

Incident Commander: Van Lineberger, CPAI  
 F.O.S.C. : Carl Lautenberger, USEPA  
 S.O.S.C. : Ed Meggert, ADEC  
 Field S.O.S.C.: Amanda Leffel, ADEC

**FOR ADDITIONAL INFORMATION CONTACT:** Amanda Leffel (907) 460-6399 or Ed Meggert (907) 451-2124.

## **AGENCY/STAKEHOLDER NOTIFICATION LIST**

This sitrep has been distributed via email to the Governor's office, ADF&G, ADNR, SECC, USEPA, USDOJ, NMFS, USFWS, and USFS in addition to the following.

STATE AGENCY	NAME	SENT VIA	ADDITIONAL INFO	TELEPHONE	FAX
ADNR	Leon Lynch/ Gary Schultz/ Larry Byrne	Fax		451-2724/ 451-2732	451-2751 or 659-2965
ADNR (Habitat)	Al Ott/Jack Winters	Fax		459-7285 or 459-7279	456-3091
AOGCC		Fax			276-7542
Attorney General Office	Cam Leonard/ Mary Lundquist	Fax		451- 2811/451- 2914	451-2985
OTHER	NAME	Sent Via	Session/Interim	Telephone	Facsimile
USEPA	Carl Lautenberger	Fax		271-3616	271-3424
Legislator (House 40)	Reggie Joule (D)	Fax	Kotzebue	465-4833 or (800) 782- 4833	465-4586
Legislator (Senate T)	Donnie Olson (D)	Fax	Nome	465-3707	465-4821
North Slope Borough		Fax	Mayor	852-0200	852-0337
Senator Murkowski's Washington DC Office	Justin Stiefel, Chief of Staff	Fax	North Slope only	(202) 224- 6665	(202) 224- 5301
Senator Murkowski's Office in Fairbanks		Fax	North Slope only	456-0233	451-7146