

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

SITUATION REPORT

INCIDENT NAME: Pump Station 1 Booster Pump Piping Incident **SITREP #:** 14 - Final

SPILL NUMBER: 11399900801

LEDGER CODE: 14307760

TIME/DATE OF SPILL: Alyeska Pipeline Service Company (APSC) employees discovered a spill of crude oil inside the booster pump building at Trans-Alaska Pipeline System (TAPS) Pump Station 1 at 8:16 AM on January 8, 2011. APSC reported the spill to ADEC at 8:39 AM on January 8, 2011. APSC cut the flow of oil to the TAPS line at approximately 8:50 AM, January 8, 2011.

TIME/DATE OF SITUATION REPORT: 4:00 PM on January 20, 2011

TIME/DATE OF THE NEXT REPORT: This is the final Situation Report

TYPE/AMOUNT OF PRODUCT SPILLED: Crude oil appears to have been released from part of the booster pumps' discharge piping located either in the wall of the booster pump building or in a concrete-encapsulated underground section outside the building. Oil seeped into the building where a pipe passed through the basement wall. No oil has been observed outside the booster pump building.

The volume of oil released into the building and recovered prior to the January 11 restart is estimated at 1,776 gallons (42.2 barrels). The volume of oil recovered from the building since the January 11 restart is approximately 11,130 gallons (265 barrels). No additional oil has been observed leaking from the pipeline.

LOCATION: TAPS Pump Station 1, Prudhoe Bay. Pump Station 1 is the point at which all oil from the North Slope oil fields enters the TAPS.

CAUSE OF SPILL: Investigation is ongoing to determine the cause of the release and the precise location of its source.

RESPONSIBLE PARTY (RP): Alyeska Pipeline Service Company (APSC)

RESPONSE ACTION: The Trans Alaska Pipeline System resumed operations at 10:18 AM on January 17. Oil continues to move smoothly through the pipeline. Alyeska's incident management team remains in place monitoring the pipeline's temperature profile and demobilizing the field crews.

The State Pipeline Coordinators Office has stated that the TAPS has reached near normal operating conditions, acknowledging the remote possibility that damage to equipment, for example, to pump intakes, could still occur. The probability of damage related to the shutdown is low, but unpredictable.

Alyeska continues to adjust the size and deployment of crews who are performing the following tasks: finalizing the redundancy piping in the booster pump building at Pump Station 1, monitoring TAPS, increasing the line oil temperature with mechanical procedures, and implementing contingency plans and procedures for uninterrupted operations.

A pipeline inspection team consisting of DNV Inc. and Baker Petrolite consultants and APSC engineers completed a preliminary investigation into the leaking pipe. Contractors removed a 26-inch flange opening at the booster pump building for the team to begin tests for causal factors to the pipeline leak.

Overflights of the pipeline using forward looking infrared (FLIR) imaging equipment are continuing on a nightly basis.

Field monitors have not observed oil in any of the three monitoring holes, three groundwater drainfield sumps, or during periodic visual checks of the pad surface and perimeter.

SOURCE CONTROL: The TAPS line was shut down shortly after the spill was discovered. A containment tank was constructed and placed in the booster pump building basement to capture leaking oil. Workers placed additional spill containment equipment to isolate and drain the compromised discharge piping after the TAPS line was shut down for the installation of the bypass tie-in. With the completion of the bypass line, oil flow has been rerouted around the leak location.

RESOURCES AFFECTED: To date, no oil has been observed outside the booster pump building at Pump Station 1. The pump station is surrounded by tundra, marshland and ponds, but due to the location of the booster pump building on the interior of the station's gravel pad, there appears to be no immediate threat to sensitive habitat or wildlife.

FUTURE PLANS AND RECOMMENDATIONS: The project manager assigned by ADEC will continue to manage the State's response and follow-up to this incident until all necessary oversight and investigation are completed. Pollution monitoring at Pump Station 1 is ongoing. Plans for additional assessment around the booster pump building will be developed. State and federal agencies of the Joint Pipeline Office will continue to monitor corrective actions as part of their ongoing responsibilities.

WEATHER: Forecasts for several locations on the TAPS line for today through tomorrow (temperatures in ° F):

Prudhoe Bay – Increasing clouds, patchy fog, highs 30 to 35 below, east winds around 10 mph.

Fairbanks – Mostly clear, patchy ice fog, highs 25 to 35 below, calm.

Glennallen – Snow accumulation 4 to 6 inches, 5 to 15 above, light winds.

Valdez – Snow accumulation up to 3 inches, high 20s to lower 30s, 10 mph winds.

UNIFIED COMMAND AND PERSONNEL:

Incident Commander: John Baldrige, APSC
F.O.S.C.: Matt Carr, EPA
S.O.S.C.: Tom DeRuyter, ADEC
ADEC Field Monitor: John Ebel

FOR ADDITIONAL INFORMATION CONTACT: Tom DeRuyter, ADEC at (907) 451-2145

Photographs and other incident information are available for viewing at: www.dec.state.ak.us/spar/ps1

AGENCY/STAKEHOLDER NOTIFICATION LIST

This sitrep has been distributed to the following agencies and stakeholders. The 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	Melissa Head Justin Selvik Mike Thompson Alison Iversen	Fax email email email		451-2732	451-2751
ADF&G (Habitat)	Al Ott/Jack Winters Lee McKinley	Fax email		459-7285 or 459-7279	459-7303
AOGCC	Jody Colombie	email			
EPA	Matt Carr/Robert Whittier	Fax		271-5083 or 271-3247	271-6340
DOT/PHMSA	Tom Johnson Dennis Hinnah	email			

AGENCY/STAKEHOLDER	NAME	SENT VIA	ADDITIONAL INFO	TELEPHONE	FAX
Attorney General Office	Cam Leonard/ Steve Mulder	Fax		451-2811/451-2914	451-2985/ 278-7022
Governor's Office (Fairbanks)	Parnell/Treadwell	Fax		451-2920	451-2858
Lt. Governor's Office (Juneau)	Mead Treadwell	Fax		465-3520	465-5400
Senator Murkowski's Washington DC Office	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
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
Legislator (Senate F)	John Coghill	Fax	Valdez	488-1546 or 465-3719	488-4271 or 465-3258
Legislator (House 12)	Eric Feige	Fax	Valdez	269-0129 or 465- 4859	269-0128 or 465-3799
Other Agencies:					
North Slope Borough	Edward Sagaan Itta	Fax	Mayor	852-0200	852-0337
North Slope Borough	Dan Forster	Fax	Planning Director	852-0440	852-5991