

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 #:** 8

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, January 15, 2011

TIME/DATE OF THE NEXT REPORT: 4:00 PM, January 16, 2011

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 (42.3 barrels). The volume of oil recovered from the building since the January 11 restart is approximately 11,550 gallons (275 barrels).

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 line.

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: At 12:07 AM this morning, the TAPS line was successfully shut down in order to begin installation of the bypass line around the leaking booster pump discharge pipe at Pump Station 1. The shutdown is expected to last 36 hours.

The flow of oil into the containment tank in the booster pump building basement has stopped. No oil has been observed during hourly monitoring of the three monitoring holes and the three groundwater drainfield sumps, or during periodic checks of the pad surface and perimeter.

North Slope producers are providing oil to the Pump Station 1 storage tanks at a rate of approximately 24% of their normal production. At noon today, the level of oil in the storage tanks was at 11.6 feet, with the maximum operating capacity level of approximately 42 feet for each tank.

Last night's overflight of the entire pipeline, using forward looking infrared (FLIR) imaging equipment, spotted one area of concern at mile 370. A ground inspection of the site today revealed it was a natural water overflow.

No additional injuries have been reported since yesterday's Sitrep. The safety of responders, the public and the environment remains the top priority of the Unified Command.

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 bypass tie-in. Containment and recovery equipment in place exceeds the capacity necessary to manage any additional leakage during the bypass tie-in.

RESOURCES AFFECTED: Pump Station 1 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. No oil has been observed outside the booster pump building.

FUTURE PLANS AND RECOMMENDATIONS: ADEC personnel will remain at Pump Station 1 to observe oil recovery, pollution monitoring, shutdown, bypass installation, and restart. Additional ADEC staff will be on duty at the Fairbanks command post through the shutdown and subsequent restart. Pollution monitoring at Pump Station 1 is ongoing.

WEATHER: Forecasts for several locations on the TAPS line for today through tomorrow (temperatures in ° F): Prudhoe Bay – Mostly cloudy with scattered flurries and patchy fog today through tomorrow; high today 10 to 15 below, low tonight 15 to 25 below, high tomorrow 10 below; north winds to 10 mph through tonight with light winds tomorrow.

Fairbanks – Mostly clear today, tonight, and tomorrow; high today 15 below except near 0 over the hills, low tonight 35 below except near 10 below in the hills, high tomorrow 10 to 20 below; east winds 10 mph gusting to 30 mph over the hills, tonight and tomorrow east winds 10 mph gusting 20 to 25 mph over the hills.

Glennallen – Clear and sunny through tomorrow; high today 20 to 30 below and 5 to 15 below through the passes, low tonight 35 to 45 below and 15 to 25 below through the passes, high tomorrow 20 to 30 below and 10 to 15 below through the passes; light winds except northeast wind 15 to 30 mph through channeled areas along the Alaska Range, slightly diminishing tonight and tomorrow.

Valdez - Clear and sunny today, tonight, and tomorrow; high today 5 to 10 above except 10 below through the pass, low tonight 0 to 5 below except 10 to 15 below through the pass, high tomorrow 5 to 10 above except 10 below through the pass; north to east wind 15 to 30 mph gusting to 45 mph, except northeast wind 35 to 50 mph through the pass with a wind chill of 35 to 45 below to continue through tomorrow.

Prudhoe Bay is located north of the Arctic Circle. The next sunrise will occur at 12:42 PM on January 19, 2011; sunset will occur 44 minutes later.

UNIFIED COMMAND AND PERSONNEL:

Incident Commander: John Baldrige, APSC
F.O.S.C.: Matt Carr, EPA
S.O.S.C.: Bob Mattson, ADEC
Field S.O.S.C.: John Ebel, ADEC

FOR ADDITIONAL INFORMATION CONTACT: Unified Command Joint Information Center 907-450-5857

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

AGENCY/STAKEHOLDER	NAME	SENT VIA	ADDITIONAL INFO	TELEPHONE	FAX
AOGCC	Jody Colombie	email			
EPA	Matt Carr/Robert Whittier	Fax		271-5083 or 271-3247	271-6340
DOT/PHMSA	Tom Johnson Dennis Hinnah	email			
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 Sagan Itta	Fax	Mayor	852-0200	852-0337
North Slope Borough	Dan Forster	Fax	Planning Director	852-0440	852-5991



Workers at Pump Station 1 attach a section of pipe for the bypass pipeline. The 157-foot bypass pipeline was fabricated and shipped in sections from Fairbanks and assembled at Pump Station 1, about 500 miles north of Fairbanks.



Workers at Pump Station 1 are fitting the next section of 24-inch diameter pipe to the recently assembled bypass line at Pump Station 1. This new line will bypass existing pipe, where a leak was discovered on January 8, 2011, and reroute crude oil around to the booster pump building.