

**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 #:** 10

**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:** 5:00 PM, January 17, 2011

**TIME/DATE OF THE NEXT REPORT:** 4:00 PM, January 18, 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:** The Trans Alaska Pipeline System resumed operations at 10:18 AM. Work crews successfully completed the bypass pipeline leading from the booster pump building to the metering building at 3:40 AM.

The reintroduction of crude oil into the pump station piping system began at 5:50 AM. By 4:00 PM the level of throughput in the pipeline had gradually increased to above 500,000 barrels a day, and the flow rate will continue to rise this evening until it reaches normal levels.

With the assurance of pipeline flow to Valdez verified, at 2:50 PM APSC allowed North Slope producers to return to 100% production levels, after having been restricted to levels as low as 12%. Storage tanks at the pump station reached the 36-foot level before oil began to be reintroduced into the pipeline; the normal maximum operating level is 42 feet.

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

The Unified Command plans to stand down at 6:00 AM tomorrow morning, January 18. Alyeska's incident management team will remain in place until crude oil temperatures in the pipeline normalize.

ADEC will assign a project manager to continue to actively manage the state's response and follow-up to this incident until the completion of all necessary oversight and investigation.

At the present time, there are more than 600 people responding to the incident, including 375 people at Pump Station 1.

There has been no additional leakage of oil into the temporary containment tank in the booster pump building basement. 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.

There have been no injuries reported in the last 24 hours. 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.

**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 and pollution monitoring. ADEC will assign a project manager to continue to actively manage the state's response and follow-up to this incident until the completion of all necessary oversight and investigation. 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** – Tonight and tomorrow mostly cloudy with scattered snow showers; low 20 to 30 below, high tomorrow 15 to 25 below; west wind 15 to 25 mph.  
**Fairbanks** – Tonight and tomorrow partly cloudy; low 25 to 35 below, high tomorrow 5 to 20 below; light winds.  
**Glennallen** – Tonight and tomorrow partly cloudy; low 25 to 35 below, high tomorrow 5 to 15 below; light winds.  
**Valdez** – Tonight mostly cloudy and mostly sunny tomorrow; low near 0, high tomorrow around 15 above; variable winds 10 mph.

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.: Tom DeRuyter, ADEC  
Field S.O.S.C.: Brian Jackson, ADEC

**FOR ADDITIONAL INFORMATION CONTACT:** Dale Gardner 907-269-7682

Photographs and other incident information are available for viewing at: [www.dec.state.ak.us/spar/ps1](http://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			
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
<b>Other Agencies:</b>					
North Slope Borough	Edward Sagan Itta	Fax	Mayor	852-0200	852-0337
North Slope Borough	Dan Forster	Fax	Planning Director	852-0440	852-5991