

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

**SITUATION REPORT**

**INCIDENT NAME:** APSC PS 9, Crude Oil Release to Secondary Containment      **SITREP #:** 6 - Final

**SPILL NUMBER:** 10309914501      **LEDGER CODE:** 14287160

**TIME/DATE OF SPILL:** 10:30 AM on May 25, 2010

**TIME/DATE OF SITUATION REPORT:** 3:00 PM April 8, 2011

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

**TYPE/AMOUNT OF PRODUCT SPILLED:** Alaska North Slope Crude. Alyeska Pipeline Service Company (APSC) estimated 108,360 gallons (2,580 barrels) of oil were released to secondary containment.

**LOCATION:** Trans-Alaska Pipeline System (TAPS) Pump Station 9, Tank 190. Pump Station 9 sits just off the Richardson Highway, eight miles south of Delta Junction and approximately 110 miles southeast of Fairbanks.

**CAUSE OF SPILL:** During a scheduled maintenance shutdown of the pump station, a loss of power to the power-distribution center resulted in a command circuit designation to open the system relief valve and close the station block valves. The block valves could not close without power, allowing oil to flow from the TAPS line into Tank 190, and then out the tank vents into lined secondary containment. An incident investigation team was assembled to determine the root cause, and the results are pending.

**POTENTIAL RESPONSIBLE PARTY (PRP):** Alyeska Pipeline Service Company (APSC)

**RESPONSE ACTION:** A total of 29,166 pounds of oily waste was collected over the duration of the project. This included 7,418 pounds of heavily oiled waste, 14,483 pounds of lightly oiled non-hazardous waste, and 7,265 pounds of non-hazardous oiled waste. Approximately 8,384 tons of petroleum contaminated soil was excavated from the tank farm and sent to a thermal treatment facility.

Crude oil and oily water recovered from the tank containment was collected in portable tanks allowing the oil and water to separate. The oil was recovered and recycled, and the oily water injected into the pipeline and captured at the Valdez Marine Terminal for recycle and disposal. Approximately 96,642 gallons (2,301 barrels) of oil was recovered and recycled. Approximately 419,790 gallons (9,995 barrels) of oily water were processed during the response. Oil remaining in the soil on site and beneath tank 190 will be further mitigated and managed under the ADEC Contaminated Sites Program.

Approximately two feet of gravel covered the liner material throughout the tank containment. The oiled gravel was carefully removed from the liner, so the integrity of the containment would be maintained throughout the gravel excavation tactic. Gravel soil unaffected by oil along the side slopes of the tank containment was removed to facilitate a proper liner anchor trench for the new liner. The original secondary containment liner was replaced and sent to the Delta Junction Landfill.

APSC's environmental consultant and their excavation subcontractor identified several breaches in the liner. Oiled gravel was removed from the breach areas, and analytical samples collected to confirm adequate cleanup. Oil migrated beneath tank 190 and could not be removed without compromising the tank integrity. APSC's environmental consultant installed a soil vapor extraction (SVE) system, which is designed to facilitate contaminate reduction. An ADEC Contaminated Sites project manager shall manage the site until acceptable cleanup levels are achieved through the SVE tactic.

**SOURCE CONTROL:** APSC personnel closed the Tank 190 relief system valves manually and stopped the flow of oil into the tank.

**RESOURCES AFFECTED:** Oil was released beneath the liner into the structural gravel fill where the liner was compromised. One raven died in transport to the Valdez bird rehabilitation facility after getting oiled feathers; and two resident song birds were discovered dead in the portable tanks.

**FUTURE PLANS AND RECOMMENDATIONS:** Complete the installation and execute management of the SVE system

**WEATHER:** Today and tomorrow: snow showers, high 35 - 40°F, low 14 - 16°F.

**UNIFIED COMMAND AND PERSONNEL:**

Incident Commander: John Baldrige, APSC  
S.O.S.C.: Tom DeRuyter, ADEC

**FOR ADDITIONAL INFORMATION CONTACT:** Tom DeRuyter, 451-2145

**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
Alaska State Troopers	Fairbanks	Fax		451-5100 or (800) 478-9300	451-5165
Alaska State Troopers	Delta Junction	Fax		895-4800	895-4026
ADF&G (Habitat)	Al Ott/Jack Winters	Fax		459-7285 or 459- 7279	459-7303
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
Fairbanks North Star Borough-HAZMAT	David Gibbs	Fax		450-6585	459-1119
Governor's Office (Fairbanks)	Parnell/Campbell	Fax		451-2920	451-2858
Lt. Governor's Office (Juneau)	Parnell/Campbell	Fax			465-5400
Legislator (Senate C)	Albert Kookesh (D)	Fax	Angoon	465-3473 or (888) 288-3473	465-2827/ 452-3401
Legislator (Senate D)	Joe Thomas (D)	Fax	Fairbanks	465-2327	465-5241 or 456-8163
Legislator (Senate E)	Joe Paskvan (D)	Fax	Fairbanks	465-3709	465-4714
Legislator (Senate F)	John Coghill, Jr. (R)	Fax	North Pole	465-4797 or (800) 860-4797	465-3884
Legislator (House 6)	Alan Dick (R)	Fax	Beaver	465-4527 or (800) 491-4527	465-2197
Legislator (House 7)	Bob Miller (D)	Fax	Fairbanks	465-4976 or (800) 465-4976	465-3883 or 452-6096
Legislator (House 8)	David Guttenberg(D)	Fax	Fairbanks	465-4457 or (800) 928-4457	465-3519 or 456-2490
Legislator (House 9)	Scott Kawasaki (D)	Fax	Fairbanks	465-3466 or	465-2937 or

				(866) 465-3466	451-9293
Legislator (House 10)	Steve Thompson (R)	Fax	Fairbanks	465-3004 or (877) 465-3004	465-2070
Legislator (House 11)	Tammie Wilson. (R)	Fax	North Pole	465-3719 or (877) 465-3719	465-3258 or 488-4271
Legislator (House 12)	Eric Feige (R)	Fax	Valdez	269-0129	269-0128
Tanana Chiefs Conference	Jerry Isaac	Fax	President	452-8251 x 3433	459-3989