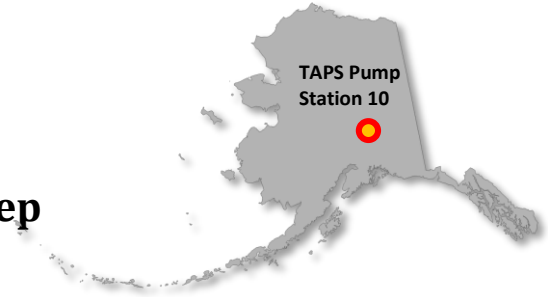




**ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION**  
Division of Spill Prevention and Response  
Prevention, Preparedness, and Response Program

**SITUATION REPORT**



**CHANGES FROM PREVIOUS SITREP ARE DENOTED IN RED FONT**

**TAPS PS-10 Electrical Isolation Joint Weep**

**SITREP # 2 & Final**

**SPILL #:** 15309914902

**TIME/DATE OF DISTRIBUTION:** 12:00 p.m., November 5, 2015

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

**INCIDENT LOCATION:** Pump Station 10 is located along the Richardson Highway Milepost 219 (Trans-Alaska Pipeline System [TAPS] Pipeline milepost 585.91). Pump Station 10 has been out of service since 1998; however, the station is being used today to support operations along the TAPS.

**TIME/DATE OF SPILL:** APSC employees discovered the spill along the Pump Station 10's main line at 5:00 p.m. on May 29, 2015. APSC reported a slow weeping of crude oil from a fitting on the TAPS main line to ADEC at 5:15 p.m. on the same day.

**TYPE/AMOUNT OF PRODUCT SPILLED:** The spilled product from the isolation fitting just north of TAPS Pump Station 10 is Alaska North Slope (ANS) crude oil. This is based on the laboratory sample results. The initial weep rate was about one drip per second. Oil had accumulated within the tar membrane/packing material that covered the coupling and dripped from the fitting once the soil surrounding the pipe was removed. When the tar membrane and tar were removed from the pipe, no active weeping was immediately observed. However, small dampened areas started to appear at a later time on the coupling surface, indicating weeping from the joint was still active.

**CAUSE OF SPILL:** The release was found during excavations to investigate a corrosion inspection anomaly in a separate location along the main line. APSC personnel then discovered discolored gravel at the **leaking isolation fitting joint**.

**SOURCE CONTROL:** The source of the spill was determined as an isolation fitting installed on the TAPS 48-inch mainline. The purpose of the isolation fitting was to electrically isolate the mainline and facility piping cathodic protection systems to provide optimal corrosion protection. This fitting was installed during the initial pipeline construction. **A 60-inch sleeve was fabricated for installation over the isolation fitting. The sleeve was welded in place and is now providing full pressure containment of the isolation fitting. Full source control has been achieved due to installation of the sleeve.**

**RESPONSE ACTION:** APSC personnel have removed contaminated gravel **to the maximum extent practicable, excavating to a depth of approximately 15 feet below ground surface before encountering a large boulder that was impassable and where the leaked product had pooled. Utility lines and the TAPS mainline block valve prevented additional excavation or borings within the contamination footprint. Approximately 7 cubic yards of contaminated soil was removed from the spill site and sent to Organic Incineration Technology, Inc. in Moose**

Creek to be incinerated. ADEC approved backfill of the excavation on October 28, 2015. At this time initial site cleanup has been completed.

**RESOURCES AT RISK OR AFFECTED:** There remains a small area of contamination unable to be excavated that will be monitored by ADEC's Contaminated Sites Program.

**FUTURE PLANS AND RECOMMENDATIONS:** APSC will submit a comprehensive cleanup and sampling report to ADEC that documents in-place contaminant concentrations and work completed to remove contaminated soil. Included in the report will also be findings from inspection of other fittings along the TAPS mainline. ADEC Contaminated Sites Program will continue to monitor this site.

**WEATHER:** Today: Mostly cloudy, high 22°F, E winds 5-10 mph; Tomorrow: Partly cloudy, high 22°F, winds light and variable.

**UNIFIED COMMAND AND PERSONNEL:**

Incident Commander: John Baldrige, APSC

SOSC: Tom DeRuyter, ADEC

Field SOSC: Paul Lhotka, ADEC

**TIME/DATE OF THE NEXT REPORT DISTRIBUTION:** This is the final situation report for this incident.

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

[http://www.dec.alaska.gov/spar/ppr/response/sr\\_active.htm](http://www.dec.alaska.gov/spar/ppr/response/sr_active.htm)



60-inch repair sleeve fit-up complete over line.  
(Photo: Alyeska Pipeline Service Company)



Backfilled excavation at Pump Station 10 Block Valve 2.  
(Photo: Alyeska Pipeline Service Company)

**AGENCY/STAKEHOLDER NOTIFICATION LIST:**

Please refer to the first sitrep distributed June 5, 2015 for the agency/stakeholder notification list. The link to the first sitrep can be found in the **Additional Information** box above.