



ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Spill Prevention and Response
Prevention Preparedness and Response Program
SITUATION REPORT (SITREP)

CHANGES FROM PREVIOUS SITREPS ARE DENOTED IN RED

CIPL Drift River Crude Oil Spill

SITREP #: 4

SPILL #: 16239918401

TIME/DATE OF DISTRIBUTION: 2:00 p.m. August 25, 2016

POTENTIAL RESPONSIBLE PARTY (PRP): Cook Inlet Pipeline Company (CIPL)

INCIDENT LOCATION: Drift River Terminal Facility (DRT facility), west side of Cook Inlet (Lat/Long: 60.602627/-152.174166)

TIME/DATE OF SPILL: There were two spills discovered associated with over pressurization of the 20-inch fill line. The first spill was discovered on July 2, 2016. The second spill was discovered on July 28, 2016.

HOW/WHEN SPILL WAS DISCOVERED AND REPORTED: The spill reported on July 2 was discovered while a CIPL operator at DRT facility was conducting a facility inspection. The spill discovered at 5 p.m. on July 28 was found while CIPL staff was conducting an inspection of the areas above the buried 20-inch fill line. This spill was reported to ADEC on July 29 at 8:45 a.m.

TYPE/AMOUNT OF PRODUCT SPILLED: On July 2, CIPL reported 14 gallons of crude oil inside a valve box and one gallon to the ground. On July 29, CIPL reported a crude oil stain at the surface of one of the buried 20-inch fill line blind flanges in the pipe corridor between tanks 1 and 4. The quantity of this spill is unknown. The stain area was reported by CIPL to be 24 feet by 24 feet by 30 feet (triangular surface measurement). On August 10, free product was discovered while excavating a buried flange between tanks 2 and 3. The total spill volume is unknown at this time. CIPL will submit a spill volume estimate based on waste generated as part of the final report to ADEC.

CAUSE OF SPILL: Over pressurization of the 20-inch fill line while emptying two tanks in preparation for internal inspection.

On June 25, 2016, CIPL conducted an operation to pump down two tanks at the DRT facility and transfer their contents to one of the 270,000-barrel crude oil storage tanks approved for use. The procedure used by the DRT facility indicated the transfer was being made to Tank 4. However, the two tank contents were being transferred into Tank 3. The operation was being initiated at the same time that crude oil from the CIPL Crude Oil Transmission Pipeline (COTP) was being received into Tank 3 through the 20-inch fill line. When transfer from the CIPL COTP was terminated for the day, the controller at the Kenai Gas Field closed the fill valve to Tank 3. At that time the pump used to draw down the two tanks was still operating. Closing the fill valve to Tank 3 closed off the flow path of the oil from the two tanks into Tank 3. Due to the operations being conducted



simultaneously, the closure of the valve to Tank 3, and the continued throughput from the two tanks, the 20-inch fill line was over-pressurized.

SOURCE CONTROL: The 20-inch fill line has been isolated and shut down. The crude oil in the 20-inch line was removed on August 16.

RESPONSE ACTION: The marine tanker arrived on Monday, August 15 at 4:30 p.m. to de-inventory the crude oil from the 20-inch, 4-inch line and from the tanks. The de-inventorying activity was completed on the following day.

The grid line delineations are completed for the areas where oil stain was discovered on July 28 (Dig Site 2) and free product discovered on August 10 (Dig Site 1). Dig Site 1 is approximately 12 feet by 20 feet and Dig Site 2 is approximately 60 feet by 60 feet. Five dig sites have been identified to delineate the potentially impacted area. To protect worker safety, sheet pilings are required to prevent soil from sloughing into the excavation. The sheet pilings needed for the excavation arrived at Drift River Oil Terminal facility on August 22. CIPL will complete staging materials to commence excavation at dig sites 1 and 2 this week.

ADEC conducted one site visit on August 19 to the Drift River Oil Terminal facility since the last SITREP.

RESOURCES AT RISK: No impacts to wildlife have been reported. Rust Slough/Drift River are adjacent to the facility and flow into Redoubt Bay of Cook Inlet. Terrestrial mammals (bears, moose) and nesting waterfowl may be present in the area.

FUTURE PLANS AND RECOMMENDATIONS: CIPL will continue delineation and contaminated soil excavation activity once the sheet piling are in place at the dig sites. CIPL will submit a soil sampling plan and a waste management plan for ADEC's review. CIPL and ADEC will discuss the future of the 20-inch fill line system and testing required for the system.

The next ADEC site visit is scheduled for Friday, August 26.

WEATHER: Today: Sunshine and clouds mixed; high near 62°F; winds south at 10 to 15 mph. Tonight: Partly cloudy skies; low around 50°F; winds northwest at 5 to 10 mph. Tomorrow: Some clouds in the morning will give way to mainly sunny skies for the afternoon; high 67°F; winds east-northeast at 5 to 10 mph.

TIME/DATE OF THE NEXT REPORT DISTRIBUTION: As the situation warrants.

FOR ADDITIONAL INFORMATION CONTACT: Young Ha, ADEC, (907) 269-7544
Candice Bressler, PIO (907) 465-5009

http://dec.alaska.gov/spar/ppr/response/sum_fy16/160702201/160702201_index.htm

AGENCY/STAKEHOLDER NOTIFICATION LIST: Please refer to the first SITREPs distributed August 2 and 9 for the agency/stakeholder notification list. The link to the SITREPs can be found in the **Additional Information** box above.