



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

Hilcorp Anna Platform Crude Oil Line Leak



SITREP #: 4 and Final

SPILL #: 17239909101

TIME/DATE OF DISTRIBUTION: 3:30 p.m. May 7, 2017

POTENTIAL RESPONSIBLE PARTY (PRP): Hilcorp Alaska, LLC (Hilcorp)

INCIDENT LOCATION: Anna Platform located in the Upper Cook Inlet near Granite Point. (Lat/Long: 60.9763667, -151.315766)

TIME/DATE OF SPILL: Exact time of release is unknown; however, the spill was discovered at 11:20 am on April 1, 2017.

HOW/WHEN SPILL WAS DISCOVERED AND REPORTED: Anna Platform personnel felt an impact to the platform. The sheen was discovered at 11:20 a.m. and Hilcorp reported the incident to the Alaska Department of Environmental Conservation (ADEC) at 12:05 p.m. on the same day.

TYPE/AMOUNT OF PRODUCT SPILLED: The **type and amount of product** released to the environment has been revised to **be an estimated three gallons or less of natural gas condensate.**

CAUSE OF SPILL: Initially, the likely source was thought to be an 8-inch crude oil flowline linking the Anna and Bruce platforms. Subsequently, documentation submitted by Hilcorp indicates the reported release resulted from an upset condition on the Anna Platform production facility flare system. Hilcorp reported the gas feed line can hold a maximum of eight gallons of liquid and that five gallons of liquid were subsequently removed, leaving the maximum potential that was discharged at three gallons.

SOURCE CONTROL: Initially, the 8-inch crude oil pipeline between the Anna and Bruce Platform was isolated and the pressure to the line was reduced to zero pounds per square inch and the crude oil was removed from the 8-inch line. When the source of the spill was determined to be the pilot gas supply line for the flare system, the remaining gas condensate was removed from the line.

RESPONSE ACTION: On April 28, ADEC issued an approval letter for restart of the Anna Platform and the Anna Platform to Bruce Platform crude oil flowline. The approval was conditioned based upon the following requirements: required monitoring of well bore and casing pressures for the production wells during startup; timing startup to coincide with low slack tide to assure the best opportunity for any leaks to be observed; coordinated observations looking for sheens or evidence of system leaks; and the gradual startup of the platform systems.

Initiated on May 2, the restart was monitored by ADEC, U.S. Coast Guard, and U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) observers stationed on the platform. The ADEC, U.S. Coast Guard, and PHMSA observers left the platform on the evening of May 2 subsequent to the successful startup of the Anna to Bruce Platform pipeline with no observed release or sheen observed. As of the afternoon of May 4, no release or visible sheens have been reported by Hilcorp personnel on the platform or from the four separate overflights that have circled the platform.

On May 1, PHMSA issued a Notice of Withdrawal of their Corrective Action Order regarding the Anna to Bruce flowline after a thorough review and analysis of documentation submitted by Hilcorp. This documentation characterized the source of the April 1, 2016 release as being from components on the Anna Platform and not from the regulated flowline.

RESOURCES AT RISK OR AFFECTED:

Shorelines: Shoreline type varies throughout upper Cook Inlet. Shorelines around the Granite Point area include mixed sand and gravel beaches, coarse-grained sand, and exposed tidal flats. Redoubt Bay and Trading Bay on the west side of Cook Inlet include salt and brackish-water marshes and sheltered tidal flats which are of high importance to bird and invertebrate species.

Marine Mammals: Species likely to be present in upper Cook Inlet include Cook Inlet beluga whale (ESA-listed as endangered), western Distinct Population Segment (DPS) Steller sea lion (ESA-listed as endangered), Mexico DPS humpback whale (ESA-listed as threatened), harbor seals, killer whales, Hawaii DPS humpback whales, harbor porpoise, and Dall porpoise. The Southwest Alaska DPS Northern sea otter (ESA-listed as threatened) is known to occur in lower Cook Inlet. The discharge location is within designated Critical Habitat for Cook Inlet beluga whales. Cook Inlet beluga whales are likely utilizing offshore waters in upper Cook Inlet during winter and will concentrate near forage fish locations as those populations arrive. The USCG has completed a Section 7 Consultation with the Federal trustee agency (NOAA-NMFS) required under the ESA.

Birds: Steller eiders are ESA-listed as threatened and are known to overwinter south of the Anna Platform both the eastern and western shores of lower Cook Inlet. Waterfowl and shorebirds are overwintering in upper Cook Inlet. Notably, rock sandpipers are known to overwinter in upper Cook Inlet feeding on bivalves, including almost the entire population of the subspecies *Calidris ptilocnemis ptilocnemis*. Bald and golden eagles are also present in Cook Inlet year round. Migratory birds, including waterfowl, seabirds, and shorebirds will likely begin arriving in high numbers in the Cook Inlet area in late March to early April.

Fish: Several species and different life stages of fish are likely present in Cook Inlet, including all five species of Pacific salmon (Chinook, coho, sockeye, chum, and pink salmon), Dolly Varden, rainbow trout, Pacific eulachon, Pacific halibut (spawning and hatching occurs in winter months), Pacific herring, Bering cisco, Humpback whitefish, American shad, Walleye pollock, sablefish (adults spawn in winter in deep waters, larvae are present at the water surface, and juveniles are found in nearshore waters), Pacific and saffron cod, yellowfin sole, and smelt. This area is Essential Fish Habitat for all five species of Pacific salmon.

The north shore of northern Cook Inlet is mainly tidally influenced mud flats. Old Tyonek Creek (Stream No. 247-20-10050) enters Cook Inlet about 4 miles north of the Anna Platform in Beshta Bay and is known to support coho, Chinook, and pink salmon; and eulachon. Tyonek Creek (Stream No. 247-20-10040), unnamed creek (Stream No. 247-20-10030), and Indian Creek (Stream No. 247-20-10020) enter Cook Inlet near the Village of Tyonek about 7 miles northeast of Anna Platform and are known to support coho and pink salmon. Nikolai Creek (Stream No. 247-10-10200) enters Cook Inlet about 7 miles northwest of Anna Platform and is known to

support coho, Chinook, and pink salmon; and Dolly Varden.

Shellfish and Invertebrates: Species likely to be present in upper Cook Inlet include littleneck clams, razor clams, Macoma clams (larvae may be present in water column, adults begin spawning in late March), Weathervane scallops, several species of shrimp, and Tanner crab (mating and egg hatching may occur in winter). Macoma clams in tidal mud flats are a critical food source for Rock Sandpipers and other shorebirds in the area.

Future Plans and Recommendations: The platform operations have been restarted. Hilcorp is taking corrective actions to prevent recurrence of a discharge from similar flare system operations at all of their Cook Inlet platforms.

ADDITIONAL INFORMATION: It should be noted that the crude oil line leak involving the Anna Platform is unrelated and unconnected to the Hilcorp natural gas leak in Cook Inlet between Platform A and Nikiski.

WEATHER: Today: Cloudy skies; high around 50°F; winds north northeast at 10 to 20 mph.

COMMAND AND PERSONNEL:

IC: Stan Golis, Hilcorp
FOSC: Captain Paul Albertson, USCG
SOSC: Geoff Merrell, ADEC

TIME/DATE OF THE NEXT REPORT DISTRIBUTION: This is the final report.

FOR ADDITIONAL INFORMATION CONTACT:

Geoff Merrell, SOSC, ADEC (907) 269-7682

http://dec.alaska.gov/spar/ppr/response/sum_fy17/170401201/170401201_index.htm

AGENCY/STAKEHOLDER NOTIFICATION LIST: Please refer to SITREP 2 distributed April 2 for the agency/stakeholder notification list. The link to the SITREPs can be found in the **Additional Information** box above. Any addition to the list is noted below: