



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

SITUATION REPORT



CHANGES FROM PREVIOUS SITREPS ARE DENOTED IN RED

Repsol Q-6 Hose Rupture Fluid Release

SITREP # 4 and Final

SPILL #: 13399909801

TIME/DATE OF DISTRIBUTION: 2:00 p.m. July 30, 2013

POTENTIAL RESPONSIBLE PARTY (PRP): Repsol E&P USA Inc.

INCIDENT LOCATION: Qugruk #6 pad, on the Colville River Delta, approximately 18 miles northeast of Nuiqsut and approximately 150 miles southeast of Barrow (Lat/Log: 70° 27' 20.90" N, 150° 44' 07.16" W)

TIME/DATE OF SPILL: During a well flow back operation, a hose ruptured on a soft line between the well and a storage tank at 2:28 a.m. on April 9, 2013.

TYPE/AMOUNT OF PRODUCT SPILLED: The spilled product is a mixture of water based well stimulation fluids (approximately 60 percent), diesel (approximately 35 percent), and crude oil (approximately 5 percent). Based on the amount of product recovered from containment, Repsol estimates that the spill volume is **91 barrels (3,822 gallons)**.

CAUSE OF SPILL: Repsol contractor Weatherford International was conducting a flow back test on an exploratory well when the transfer hose used to connect the well to a 400-barrel (17,600-gallon) storage tank failed. The hose failed when it was under pressure causing the oil to spray out onto snow-covered tundra. In response to the hose rupture, the well was shut in. Additional product was released into the lined secondary containment cell when the fluids in the storage tank drained back through the ruptured hose. The majority of the product was contained within the secondary containment area, and **approximately 1.2 acres** of snow covered tundra and the **surface of an unnamed frozen lake** were misted with fluids.

SOURCE CONTROL: The flow back procedures and the resources selected for the operation were reviewed by Repsol drilling engineers and well operations work was restarted at 8:45 p.m. on April 9.

RESPONSE ACTION: **Ten Repsol spill responders used shovels to remove the contaminated thin surface crust that formed when the well fluids sprayed onto the snow-covered tundra. Representatives from the North Slope Borough, village of Nuiqsut, Alaska Clean Seas, and the ADEC were onsite during cleanup operations, which were completed on April 12.**

Snow recovered from the off pad area was hauled to a snow melting machine located offsite of the Q6 drill pad in order to quantify the amount released outside of the secondary containment.

After cleanup operations, oiled solid waste and the oiled tank resources were wrapped in liner material, packed in large transport bins, and hauled to Deadhorse for appropriate decontamination and or disposal. Waste streams generated from the decontamination work were sent to approve disposal facilities. Several inches of the ice pad constructed before the drilling operation was mechanically removed and sent to appropriate North Slope disposal facilities.

An environmental contractor collected snow samples in the affected area and analyzed them for petroleum hydrocarbons and electro conductivity after the cleanup was completed. ADEC received the final report in May 2013, which concluded that the presence of snow and ice cover protected the underlying tundra and water bodies from the Q6 fluid release, and subsequent snow removal effectively removed the misted fluids released outside of containment.

RESOURCES AFFECTED: Snow-covered tundra and ice pad. The contaminants released, such as crude oil, diesel and produced fluids, can damage the tundra community. There were no reports of impacts to wildlife.

FUTURE PLANS AND RECOMMENDATIONS: ADEC has determined that an appropriate cleanup was completed and no further actions are anticipated at this time.

WEATHER:

UNIFIED COMMAND AND PERSONNEL:

Incident Commander: Steve Rog, Repsol E&P USA Inc.

SOSC: Tom DeRuyter, ADEC

FOSC:

LOSC: Gordon Brower, North Slope Borough

Field SOSC: John Ebel, ADEC

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

FOR ADDITIONAL INFORMATION CONTACT: Ty Keltner, PIO, ADEC (907) 465-5009

http://dec.alaska.gov/spar/perp/response/sum_fy13/130409301/130409301_index.htm



Residual fluids in the secondary containment before removal, April 11, 2013. (Photo/ADEC)

AGENCY/STAKEHOLDER NOTIFICATION LIST: Please refer to sitreps 1 and 2, distributed April 9 and April 10 for the agency/stakeholder notification list. The link to the sitreps can be found in the **Additional Information** box above. Any changes or additions made to the initial list are listed below:

AGENCY / STAKEHOLDER	NAME	SENT VIA	ADDITIONAL INFORMATION	TELEPHONE	FAX
ADNR	Joe Balash	Email	joe.balash@alaska.gov		