

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

**SITUATION REPORT**

**INCIDENT NAME:** Kuparuk DS 1L Well 22 Produced Water Spill      **SITREP #:** 4

**SPILL NUMBER:** 08399936001      **LEDGER CODE:** 14123360

**TIME/DATE OF SPILL:** ConocoPhillips Alaska Inc. (CPAI) discovered the spill at 3:55 PM on December 25, 2008 and reported the spill to ADEC via the Alaska State Troopers at 4:16 PM.

**TIME/DATE OF SITUATION REPORT:** January 7, 2009, 3:00 PM

**TIME/DATE OF THE NEXT REPORT:** As situation warrants

**TYPE/AMOUNT OF PRODUCT SPILLED:** The product spilled was produced water, which contained a trace amount of crude oil. CPAI engineering calculations of the flow rate in the line and duration of release have increased the initial volume estimate of 63,000 gallons (1,500 barrels) to 94,920 gallons (2,260 barrels).

**LOCATION:** 1L Pad, Well #22, Kuparuk

**CAUSE OF SPILL:** The cause of the spill has been determined to be internal corrosion of the 6" water injection line.

**POTENTIAL RESPONSIBLE PARTY (PRP):** ConocoPhillips Alaska Inc. (CPAI).

**RESPONSE ACTION:** The emergency response phase is complete and the remaining work has entered the project cleanup phase. Two task forces of Spill Response Team (SRT) workers have completed cleanup of the 2.95 acres of lightly misted snow-covered tundra and 1.83 acres of gravel pad. Snow melting operations are nearing completion and being scaled back to an intermittent schedule. CPAI is conducting confirmation sampling of the treated areas to assure cleanup end points have been reached. The remaining affected area near the pad's manifold building is scheduled for completion in April 2009.

An estimated 44,100 gallons (1,050 barrels) of produced water and snow that was melted by the released hot produced water was removed from the spill site during the initial response. An additional 130 barrels were recovered from the pad's southern reserve pits.

A total of 418,320 gallons (9960 barrels) of produced water and snow melt were processed through the snow melter and sent to the Kuparuk Central Processing Facility #1 (CPF1) for recycling or disposed at the Kuparuk Class II disposal facility.

Approximately 319 yards of contaminated gravel was trimmed from the pad surface and hauled to the Grind and Inject Facility in Prudhoe Bay for processing. An additional 63 yards of solids recovered during the snow melting process was placed in the 1H Waste Storage Cell.

One ADEC NART responder is on site to monitor cleanup activities.

**SOURCE CONTROL:** The 6" well injection line was shut in and the source isolated.

**RESOURCES AFFECTED:** The gravel pad at 1L. A total of 5.45 acres have been impacted of which 2.95 acres are off pad and have been lightly dusted with a fine mist of produced water. No penetration through the snow to the tundra has occurred.

**FUTURE PLANS AND RECOMMENDATIONS:** Continue removing and melting contaminated snow and ice for disposal at the water recycle facility or a Class II disposal well at Kuparuk. Remove the frozen material and snow from the area near the manifold building and release point. Continue removal of lightly dusted snow with hand tools.

**WEATHER:** Mostly cloudy, temperatures -15°F to -20°F, W wind 10-15 mph.

**UNIFIED COMMAND AND PERSONNEL:**

Incident Commander: Steve Bradley

S.O.S.C.: Ed Meggert

Field S.O.S.C.: John Ebel

**FOR ADDITIONAL INFORMATION CONTACT:** Paul Lhotka at (907) 451-2175

Photographs and other spill information are available for viewing at:

<http://www.state.ak.us/dec/spar/perp/index.htm>

## AGENCY/STAKEHOLDER NOTIFICATION LIST

This sitrep has been distributed via email to the Governor's office, Senator Stevens' office, ADF&G, ADNR, SECC, USEPA, USDOJ, NMFS, USFWS, USFS and NOAA in addition to the following.

| STATE AGENCY                                | NAME  | SENT VIA | ADDITIONAL INFO   | TELEPHONE                     | FAX                        |
|---|---|----------|-------------------|-------------------------------|----------------------------|
| ADNR  | Leon Lynch/<br>Gary Schultz/<br>Larry Byrne | Fax      |                   | 451-2724/<br>451-2732         | 451-2751<br>or<br>659-2965 |
| ADF&G (Habitat)                             | Al Ott/Jack<br>Winters/Todd Nichols         | Fax      |                   | 459-7285 or 459-<br>7279      | 459-7303                   |
| AOGCC                                       |   | Fax      |                   |                               | 276-7542                   |
| EPA   | Matt Carr/Carl<br>Lautenberger              | Fax      |                   | 271-5083 or 257-<br>1342      | 271-3424                   |
| Attorney General<br>Office                  | Cam Leonard/<br>Steve Mulder                | Fax      |                   | 451-2811/451-<br>2914         | 451-2985/<br>278-7022      |
| <b>Legislature</b>                          |   |          |                   |                               |                            |
| Governor's Office<br>(Fairbanks)            | Palin/Parnell                               | Fax      |                   | 451-2920                      | 451-2858                   |
| Lt. Governor's Office<br>(Juneau)           | Palin/Parnell                               | Fax      |                   |                               | 465-5400                   |
| Senator Murkowski's<br>Washington DC Office | Chief of Staff                              | Fax      | North Slope only  | (202) 224-6665                | (202) 224-<br>5301         |
| Senator Murkowski's<br>Office in Fairbanks  |   | Fax      | North Slope only  | 456-0233                      | 451-7146                   |
| Legislator (Senate T)                       | Donnie Olson (D)                            | Fax      | Nome              | 465-3707                      | 465-4821                   |
| Legislator (House 40)                       | Reggie Joule (D)                            | Fax      | Kotzebue          | 465-4833 or<br>(800) 782-4833 | 465-4586                   |
| <b>Other Agencies:</b>                      |   |          |                   |                               |                            |
| North Slope Borough                         | Edward Sagaan Itta                          | Fax      | Mayor             | 852-0200                      | 852-0337                   |
| North Slope Borough                         | Johnny Aiken                                | Fax      | Planning Director | 852-0440                      | 852-5991                   |