

**United States Environmental Protection Agency
Region X
POLLUTION REPORT**

Date: Monday, April 24, 2006

From: Carl Lautenberger

To: Eugene Lee, EPA HQ (POLREP List) EPA HQ, EPA HQ (POLREP List)
Lori Cohen, EPA Region 10 (POLREP List) Chris Field, EPA Region 10 (POLREP List)

Subject: Progress Report
BP Alaska GC1-GC2 Transmission Pipeline Discharge
BP Explortion 900 E Benson Blvd, Deadhorse, AK
Latitude: 70.3074300
Longitude: -148.8157100

POLREP No.:	16	Site #:	AKOil012006
Reporting Period:		D.O. #:	
Start Date:	3/2/2006	Response Authority:	OPA
Mob Date:	3/2/2006	Response Type:	Emergency
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:		Contract #	
RCRIS ID #:		Reimbursable Account #	
FPN#	E06005		

Site Description

As reported in previous POLREPs.

The aerial photo at left shows the status of contaminated snow removal operations on March 13.

Current weather conditions: daytime highs are 15 to 20 degrees F, mostly cloudy with dense fog, and east winds 10 to 15 mph. Tonight, mostly clear with temperatures expected from 0 to 10 degrees F and southeast winds from 5 to 15 mph. Forecast shows continued partly cloudy conditions with variable winds up to 15 mph, daytime highs between 15 to 25 degrees F, and lows ranging from 5 degrees to 20 degrees F.

North Slope temperatures remain below freezing. Springtime break-up (melting) is expected to begin later in May to mid June.

Current Activities

All planned cleanup operations have been completed. Backfilling the land areas trimmed of contaminated ice and tundra with replacement tundra and organic material was completed on April 29, 2006. This was followed by the placement of a layer of snow over the replacement tundra to provide moisture for growth and inhibit early thawing. Final demobilization of spill response and tundra restoration equipment is now occurring.

All cleanup confirmation samples collected during the residual oil trimming operation showed results below applicable State of Alaska cleanup standards.

The leaking pipeline has been repaired via a welded sleeve but is not back in service.

A second attempt at obtaining an accurate volume measurement of the recovered crude oil stored in a holding tank at Flow Station 2 took place on April 25, 2006. The result showed 177,059 gallons of oil in the tank. This figure represents the amount of oil recovered as free product off the ground as well as oil bound in the contaminated snow that was melted and added to this tank. Calculations are still underway to determine the amount of oil contained in the contaminated gravel and contaminated tundra/ice trimmings.

The spill area perimeter has been lined with snow and ice berms (east and west sides) and containment boom (lake side) to serve as erosion control measures once springtime break-up and the resulting flooding occurs. Sorbent boom has also been placed inside the containment boom to control any oil sheening

during and after break-up. Wildlife exclusion fence that lined the site perimeter but was removed to facilitate backfilling access has been re-secured.

Planned Removal Actions

All planned cleanup operations have been completed and final demobilization of response equipment is occurring. The site will remain in its current state during springtime break-up and over the summer unless conditions indicate the need for further oil cleanup or tundra restoration work. Disposal of contaminated snow, ice and tundra trimmings, and contaminated caribou crossing gravel is complete. Disposal of the recovered crude oil (currently stored in a holding tank) via introduction into on-site oil processing facilities is expected to commence soon now that a definitive oil volume determination is available.

Next Steps

The site will undergo frequent visual monitoring as springtime break-up occurs and throughout the summer, with potential oil sheening, the integrity and re-growth of the backfilled tundra, and wildlife access prevention being primary concerns. Follow-up activities that could occur over this time period include maintenance of the perimeter berms and containment boom, oil sheen removal, or stabilization or growth enhancement of the restored tundra.

Contaminated snow, contaminated tundra and ice trimmings, and contaminated gravel wastestreams have been disposed of. Disposal of recovered crude oil via introduction into oilfield process equipment is expected to take place in early May, 2006. Calculations are still underway to determine the amount of oil contained in the contaminated gravel and contaminated tundra/ice trimmings. Oil volumes resulting from this effort will be combined with the recently-obtained holding tank volume (see "Current Activities") for an overall spill volume figure. ADEC remains closely involved with waste disposal activities and accompanying oil volume determinations.

BP is evaluating the need for maintaining the caribou crossing in which the spill occurred, and full removal of this caribou crossing may take place this summer.

EPA, START, and ADEC have demobilized from the site. EPA continues to monitor the site status from their Anchorage Office, a trip to the site is anticipated after breakup. With the cleanup phase complete and initial site restoration activities accomplished, weekly issuance of POLREPS will cease. The next POLREP will be issued after breakup or if a significant event occurs

Key Issues

The GC2 oil production facility and feeder wells have resumed operation. A temporary bypass transit line has been prepared to handle the flow of oil until the damaged 34" line is operational. Gradual re-start of the GC2 facility began in late March 2006 and oil began flowing in the 24" bypass pipeline on April 2, 2006. This bypass line, once fully operational, will support approximately 80% of the pre-spill GC2 production volume.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
RST/START	\$90,000.00	\$49,831.83	\$40,168.17	44.63%
Intramural Costs				
USEPA - Direct (Region, HQ)	\$75,000.00	\$27,418.57	\$47,581.43	63.44%
USEPA - InDirect	\$10,000.00	\$4,871.46	\$5,128.54	51.29%
Total Site Costs	\$175,000.00	\$82,121.86	\$92,878.14	53.07%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
Recovered crude oil free-product, collected from the ground by vacuum truck or pump, and oil recovered by melting contaminated snow.	4215.70 bbl (177,059 gal.)		Held in tank #1934 at Flow Station 2. 4/25/06 final volume determination = 177,059 gals. Disposal via oilfield processing systems to follow.
Oil-contaminated snow, collected directly off the spill area or generated through the addition of clean snow as an absorbent	9,849 cubic yards		This snow was stockpiled at CC-2A pad. It has all been melted by snow melters, with the resulting oil fraction figured into wastestream above.
Snowmelt created through the melting of oil-contaminated snow	11,898 bbl		Taken from melters at CC-2A to tank #1934 at FS2 (also holds recovered oil). Some water has been decanted and released into facility treatment system
Oil-contaminated caribou-crossing gravel and contaminated ice and tundra trimmings removed from the impacted tundra and lake.	484 cubic yards gravel; 4,755 cubic yards trimmings		Material was stockpiled and processed/disposed of at Drill Site 4's grind and inject facility.

response.epa.gov/BPA/AlaskaTransmissionPipeline/lineDischargeMarch06

POLREP #16 Last Updated 5/2/2006