

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

**SITUATION REPORT**

**INCIDENT NAME:** Atqasuk NSB Power Plant Glycol Spill                      **SITREP #:** 1

**SPILL NUMBER:** 08399923301    **LEDGER CODE:** Not Requested

**TIME/DATE OF SPILL:** The spill was discovered by the powerhouse operators and reported to ADEC at 09:30 AM on August 20, 2008. The North Slope Borough reported the incident to ADEC at 1:00 PM on August 21, 2008.

**TIME/DATE OF SITUATION REPORT:** 3:30 PM on August 22, 2008

**TIME/DATE OF THE NEXT REPORT:** 3:00 PM on August 26, 2008

**POTENTIAL RESPONSIBLE PARTY (PRP):** North Slope Borough (NSB)

**TYPE/AMOUNT OF PRODUCT SPILLED:** The PRP estimated 1,500 gallons of Dowtherm\* SR-1 Heat Transfer Fluid was released. Dowtherm\* is composed of 95% Ethylene Glycol.

**LOCATION:** Village of Atqasuk, approximately 60 miles south of Barrow.

**CAUSE OF SPILL:** Leak from a flow line in the NSB power plant hydronic system. The cause and source of the leak is under investigation.

**RESPONSE ACTION:** North Slope Borough, Public Works requested the Water Treatment Plant operators in Atqasuk to build interception dikes in the flow-pathway, pump and containerize surface affected water, and deploy absorbent pads on sheen. The community lagoon is located down-gradient from the spill location. An environmental consultant retained by the NSB, estimated to arrive this afternoon will collect source and treated water samples from the drinking water lagoon and community storage tanks, and perform a site assessment of the release. Design engineers are scheduled to arrive on August 26, 2008 to assess the flow lines.

ADEC personnel from the Drinking Water Division assessed potential ethylene glycol impact to the drinking water pump and treat lagoon. ADEC personnel determined that the ethylene glycol levels were well below the drinking water quality standards. Water samples shall be collected and sent to a laboratory for analysis to verify site conditions. Sample results will be available in approximately one-week.

**SOURCE CONTROL:** Source is not controlled; however, operators have identified a potential segment of the hydronic system where the leak is occurring.

**RESOURCES AFFECTED:** Tundra vegetation and possibly the community drinking water source. No impacts to wildlife or the aquatic community has been reported.

**FUTURE PLANS AND RECOMMENDATIONS:** Continue to investigate the cause and source of the spill. The environmental consultant hired by the PRP will conduct an environmental site assessment and develop a cleanup plan for ADEC review.

**WEATHER:** Cloudy, <10 mph winds, 40° F.

**UNIFIED COMMAND AND PERSONNEL:**

Incident Commander:	Raymond Atos, North Slope Borough
F.O.S.C.:	
S.O.S.C.:	Ed Meggert, ADEC

**FOR ADDITIONAL INFORMATION CONTACT:** Ed Meggert, ADEC, 451-2124

## 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
Alaska State Troopers	Fairbanks	Fax		451-5100 or (800) 478-9300	451-5165
ADNR	Leon Lynch/ Gary Schultz/ Larry Byrne	Fax		451-2724/ 451-2732	451-2751/ 659-2965
ADNR (Habitat)	Al Ott/Jack Winters	Fax		459-7285/ 459-7279	459-7303
ADF&G	Todd Nichols	Fax		459-7363	459-7347
EPA	Matt Carr/Carl Lautenberger	Fax		271-5083/ 257-1342	271-3424
Attorney General Office	Cam Leonard	Fax		451-2811/451- 2914	451-2985
Attorney General Office	Steve Mulder	Fax			278-7022
<b>Legislature</b>					
Legislator (Senate C)	Albert Kookesh (D)	Fax	Angoon	465-3473/ (888) 288-3473	465-2827
Legislator (Senate T)	Donnie Olson (D)	Fax	Nome	465-3707	465-4821
Legislator (House 6)	Woodie Salmon (D)	Fax	Beaver	465-4527/ (800) 491-4527	465-2197
Legislator (House 40)	Reggie Joule (D)	Fax	Kotzebue	465-4833/ (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