

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

SITUATION REPORT

INCIDENT NAME: Fort Wainwright Taku Garden,
Propylene Glycol Release

SITREP #: 2

SPILL NUMBER: 06309902701

LEDGER CODE: Not requested

TIME/DATE OF SPILL: The spill was discovered late in the day on January 27, 2006. The spill was reported to ADEC by the U.S. Army at 8:00 am on January 31, 2006.

TIME/DATE OF SITUATION REPORT: February 15, 2006 at 4:00 PM.

TIME/DATE OF THE NEXT REPORT: As the situation warrants.

TYPE/AMOUNT OF PRODUCT SPILLED: Watterson Construction initially estimated 1,800 to 2,200 gallons of propylene glycol. Watterson has since revised their spill estimate to 387 gallons released from the heating system. Out of the 387 gallons spilled, 176 gallons of free product was recovered, leaving about 211 gallons spilled to land. Propylene glycol is used as freeze protection in a hydronic heating system utilized by Fort Wainwright. Propylene glycol can mix readily with water and can impact drinking water wells.

LOCATION: Fort Wainwright, Taku Garden Housing Project, Building 27.

CAUSE OF SPILL: A ¾ inch line that is used to circulate a hot water/glycol mixture to provide heat to buildings developed a leak at a coupling.

POTENTIAL RESPONSIBLE PARTY (PRP): Watterson Construction.

RESPONSE ACTION: Watterson Construction hired Nortech Environmental and Engineering Consultants to further investigate the spill area. On February 3, 2006 Nortech staff collected 10 soil and snow (water) samples to better characterize the spill area. On February 14, 2006 ADEC received the sample results, and all but one sample exceeded State cleanup levels. Based on the locations of the samples taken and the levels reported, the glycol is suspected to be under the building slab.

SOURCE CONTROL: The loop in the heating system that developed the leak has been isolated and the leak has stopped.

RESOURCES AFFECTED: Snow covered gravel pad.

FUTURE PLANS AND RECOMMENDATIONS: A cleanup plan is being developed by Nortech. The plan will be submitted to DEC for review by the end of the week. The plan will include snow removal, possibly some soil removal, and additional sampling. Additional investigation under the concrete slab will also be necessary.

WEATHER: Scattered clouds, 27° F, calm winds.

UNIFIED COMMAND AND PERSONNEL:

Incident Commander: John Wentz, US COE
F.O.S.C. : Matt Carr, EPA
S.O.S.C. : Ed Meggert, ADEC
Field S.O.S.C.: Amanda Stark, ADEC

FOR ADDITIONAL INFORMATION CONTACT: Amanda Stark, ADEC, Fairbanks (907) 451-2175

AGENCY/STAKEHOLDER NOTIFICATION LIST

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

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|----------------------------------|--|-----|-----------|----------------------------|----------------------------|
| ADNR | Leon Lynch/ Gary Schultz/ Larry Byrne | Fax | | 451-2724/ 451-2732 | 451-2751 or 659-2965 |
| ADF&G | Todd Nichols | Fax | | 459-7363 | 456-2259 |
| Attorney General Office | Cam Leonard/ Mary Lundquist | Fax | | 451-2811/451-2914 | 451-2985 |
| Legislature | | | | | |
| Governor’s Office (Fairbanks) | Cheri Solie, Director/ Melissa Stepovich- Cook, Angelina Burney, Assist | Fax | | 451-2920 | 451-2858 |
| Legislator (Senate D | Ralph Seekins (R) | Fax | Fairbanks | 465-2327 | 465-5241 |
| Legislator (Senate E) | Gary Wilken (R) | Fax | Fairbanks | 465-3709 or 451-55-1 | 465-4714 |
| Legislator (House 7) | Hugh “Bud” Fate (R) | Fax | Fairbanks | 465-4976 or (800) 465-4976 | 465-3883 |
| Legislator (House 8) | David Guttenberg(D) | Fax | Fairbanks | 465-4457 or (800) 928-4457 | 465-3519 |
| Legislator (House 9) | Jim Holm (R) | Fax | Fairbanks | 465-3466 or (866) 465-3466 | 465-2937 |
| Legislator (House 10) | Jim Whitaker (R) | Fax | Fairbanks | 465-3004 or (877) 465-3004 | 465-2070 |



Photo of the Building 27 slab under visqueen, being heated, courtesy of ADEC.