WISSARD BOREHOLE DRILL CONTRACTOR (WBDC)
DAILY REPORT FOR 19 DECEMBER 2012
USAP Event C-524-M

1) Health, Safety & Environment
   No reportable incidents.

2) McMurdo Operations
   • Personnel on Site:
     Frank Rack, Dar Gibson, Graham Roberts, Chad Carpenter, Daren Blythe, Justin
     Burnett, Jeff Lemery, Dennis Duling, Adam Melby, Robin Bolsey
   • Summary:
     - General: Arrived at camp this morning to find generator had shut down again;
       heaters were off and surface lines were frozen. The hoses were disconnected and
       loaded into HPU2 with the HeatStar running in order to thaw. Lines had to be walked
       out later in the afternoon for dewatering. Leaking pipe union in RCU realigned and
       retightened. Replenishment of main tank with meltwater begun.
     - Science operations continued beginning mid-morning.
     - Work begun on new mounting system for UV lightbox.
     - A method for blowing out surface lines while bypassing Alkota units was devised and
       implemented at the end of the day.
     Electrical/Other: Work on day fuel tank automated fill system continues. Labeling of
     electrical and water lines begun (this will entail a substantial amount of work).

3) Upcoming Events/Tasking:
   • Continue to address issues encountered during drilling; assist science activities as
     needed; prepare drill for a possible return trip downhole.

4) General Issues:
   • The battery issue with the PDM yesterday had been misdiagnosed; there was a short in
     the PDM wiring that was draining the batteries; this caused the power outage yesterday
     as well as the gen shutdown overnight. The batteries are recharging and the short has
     been isolated.
5) Weather Conditions
   - Temperatures ranged between 30 and 40ºF during the day. Cloudy and warm with light winds and snow flurries.

6) Vehicles/Generators
   - Vehicles in use: Caterpillar 297 skid steer, Mattrack pickup.
   - Generators in use: Both large generators operational; one being used to power camp. One WISSARD 50 kW generator on hand as a backup (the other one is in town for maintenance); portable 3.5 kW and portable 1 kW from ASC.

7) ASC Interfacing
   - Two ASC electrician still on loan to help with electrical work.
   - Generator/diesel techs have been on hand for roughly the past week to prep and troubleshoot the big generators.
   - A galley worker has been on hand the past two Saturdays to prepare lunch on the grill. Pre-cooked lunch supplied by the galley is picked up on Mondays and Wednesday mornings on the way to the work site.

8) Cargo
   No cargo delivered to site today.

Compiled by Daren Blythe for the WISSARD drill team