WISSARD BOREHOLE DRILL CONTRACTOR (WBDC)
DAILY REPORT FOR 17 NOVEMBER 2012
USAP Event C-524-M

1) Health, Safety & Environment
   No reportable incidents today.

2) McMurdo Operations
   • Personnel on Site:
     Dar Gibson, Graham Roberts, Chad Carpenter, Daren Blythe, Justin Burnett, Jeff Lemery, Dennis Duling
   • Summary:
     Electrical: Work begun on mobile power station for moon pool area; wiring for power to the coffin begun; wiring of circulation and melt tank pumps begun. Shutoff relay installed on Alkota #6 for testing ability to kill a Kubota engine during wet test.
     Plumbing: Replumbing of WFU penetrations completed.
     Drill Equipment (heaters, pumps, reels, etc.): Main gen hoods still being installed. (Done by ASC traverse personnel.)
     General: Cleanup of WFU and HPUs in preparation for wet test. Small modifications made to melt tank plumbing and gauges. Team meeting to discuss procedures/goals of upcoming wet test and to generate a script for test day. (This will be included in the results summary next week.)

3) Upcoming Events/Tasking:
   • Wire main tank level sensor; wire main tank conductivity sensor if time allows; finish wiring of coffin [circulation] pump and heater power.
   • Mount EAD melt tank and main tank control boxes & connect available sensors to them.
   • Test fire suppression system using test charges provided by General Fire; Arm fire suppression system in anticipation of wet test. Procure a few extra fire extinguishers for wet test.
   • Fabricate “contingency hose” to circulate water through the system using the melt tank pump in the event of a circulation pump (coffin pump) failure.
4) General Issues:
   - RCU not mounted on ISO kit yet due to mods that need to be made as a result of the RCU side doors not seating into the kits properly. (This situation is similar to the one with mounting the HPUs on the ski kits; some metal had to be cut off to make room for the latches on the door bottoms.) ASC plans to do some cutting and rewelding on the ski kits to address this; their plan is to have the RCU mounted by next Wednesday. This should not present a problem as the drill team will be busy w/ the SPoTSA wet test and its aftermath.
   - We are still on track for a wet test of the tanks, WFU and HPUs on Tuesday. We are taking a delivery of 1000 gallons of water from McMurdo on Tuesday morning to begin the test.

5) Weather Conditions
   - Temperatures ranged between 20 and 30ºF during the day. Sunny with no wind.

6) Vehicles/Generators
   - Vehicles in use: McMurdo van 412, Caterpillar 297 skid steer
   - Generators in use: Two WISSARD 50 kW generators; portable 3.5 kW and portable 1 kW from ASC.

7) ASC Interfacing
   - Two ASC electricians still on loan to help with electrical work.

8) Cargo
   - What appeared to be the multi-purpose winch and two science containers arrived on today's flight.

Compiled by Daren Blythe for the WISSARD drill team