WISSARD BOREHOLE DRILL CONTRACTOR (WBDC)
DAILY REPORT FOR 14 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: CCU wiring continues; HPU1 wiring continues; mobile power station (for main/melt tanks) in progress. Motor controllers (for tank pumps) on mobile power station mounted.
     Plumbing: Plumbing to connect air compressor to blow out the drill system completed.
     Drill Equipment (heaters, pumps, reels, etc.): Generators mounted on ISO ski kits; gen hoods being installed. (Done by ASC traverse personnel.)
     General: Sensor wiring continues in HPU1, melt tank and coffin (main tank). Main generator plumbing assembly (dry disconnects for fuel and glycol) complete. Day tank required modifications to its undercarriage to be mounted on flat rack. It is currently mounted (with help from ASC duty fork) but needs a few more fasteners to secure it to the flat rack. RCU towed to Scott Base transition in order (presumably) for a crane to mount it on an ISO kit. It is uncertain when it will be brought back to SPoTSA for unloading & setup.

3) Upcoming Events/Tasking:
   • Continue wiring sensors; continue wiring in CCU & HPU1; group editing of startup procedures. Ready HPU1 Alkotas for starting by warming batteries & engine blocks once power is available. Finish sensors on melt and main tanks; finish mobile power sled and wire sensors/controls to it. Continue with gen assembly; locate and lay out power cables from gens to PDM.
   • Begin unloading RCU, mount rail system and crescents, begin assembling hose washer assembly.
- Wiring of melt tank and main tank pumps. This is the last obstacle to beginning SPoTSA wet test.

4) General Issues:
- Remaining HWD cargo that is packed in with roving drill cargo may need to be pulled out for separate shipment to the Ice, especially the spare air compressor. The end of C-17 flights on 1 December may necessitate subdividing the larger items (such as the 20' container) for flying on C-130s. Dennis and Daren met w/ ASC today to ascertain which items may need to be separated out for the main HWD.

5) Weather Conditions
- Temperatures ranged between 10 and 20ºF during the day. Winds 10-20 knots with snow flurries and blowing snow.

6) Vehicles/Generators
- Vehicles in use: McMurdo van 412, Caterpillar 297 skid steer
- Generators in use: WISSARD 50 kW generator; 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
- Some small haz cargo items arrived, including nitrogen charges for fire suppression system.

Compiled by Daren Blythe for the WISSARD drill team