

Ice Drilling Design and Operations – Technical Advisory Board

Tuesday, September 9 – Wednesday, September 10, 2014

Union South – Industry Room, 3rd Floor
University of Wisconsin - Madison
Madison, WI 53706

TUESDAY, SEPTEMBER 9, 2014

0800 – Welcome & Introduction of Mark Mulligan (Slawny)
0815 – Logistic matters (Wendricks)
0820 – Chairman's opening comments (Doran)
 Additions and corrections to the Agenda (Doran)
0825 – Summary of new IDPO/IDDO structure and purpose (Albert)
0840 – Update on the IDPO-Science Advisory Board (Albert)
0850 – Recent update of the Long Range Drilling Technology Plan (Slawny)

- **Discussion of existing systems**

0900 – Overview of IDDO Equipment Inventory (Slawny)
0915 – Review of past field seasons and plans for next (Slawny)

0930 – Status of equipment and plans for 2015
 Hand Augers, Sidewinders and Prairie Dog (Goetz)
 Koci Drill (Kuhl)
 Logging Winches status and investigator testing (Shturmakov, Goetz)

1030 – Break

1050 – Status of equipment and plans for 2015 (continued)
 4-Inch Drills (Johnson)
 Eclipse Drills (Johnson)

1130 – Open discussion on any issues with existing systems

1200 – Lunch (provided): continue discussions

- **Discussion of systems under development**

1300 – Small Hot Water Drills
 Summary of current status (Gibson)
 Review of conceptual design and plans for upgrade (Gibson/Benson)

1330 – Scalable Hot Water Drill
 Review of conceptual design and plans for building system (Gibson/Benson)

1400 – Blue Ice Drill (BID) & BID-Deep
 Summary of current status and results of 2014 Greenland test (Goetz)

1425 – Break

- **Continued discussion of systems under development**

1445 – Intermediate Depth Drill

Summary of current status and results from the 2014 Greenland field test (Johnson)
Plans for coring at South Pole Station (Kuhl)

1515 – Agile Sub-Ice Geologic Drill

Review of conceptual design (Kuhl)
Review of schedule (Gibson)

1600 – Fusion Welding techniques for installing borehole casing (Shturmakov)

1615 – Conceptual Study on DISC Drill East Antarctic Enhancements (Shturmakov)

1630 – Adjourn

1800 – Group dinner at Brickhouse BBQ (408 West Gorham Street): Continue discussions

WEDNESDAY, SEPTEMBER 10, 2014

0800 – Next TAB meeting (Slawny)

0810 – Travel expenses reimbursement information (Wendricks)

- **Discussion of non-IDDO drilling and systems**

0820 – Recent progress in Chinese ice drilling projects in Antarctica (Talalay)

0840 – Update on BAS drills and future activities (Makinson)

0900 – RAID & WISSARD (Albert)

0915 – ARA Drill System (Cherwinka)

0935 – IceCube's Future Plans & the EHWD-G2 (Cherwinka)

1000 – Break

1020 – Update on CIC drilling activities (Hansen)

1040 – Drilling Fluid: Temperature vs Viscosity & Cuttings Transport (Ellis)

1100 – Titanium Hand Auger & Martin Truffer Hot Water Drill (Pomraning)

1120 – Update on AWI and European Activities Discussion (Wilhelms)

1200 – Lunch (provided): continue discussions

1300 – Wrap-up and action items

1400 – Adjourn