Weekly Reporting

WBS 1.01.07 JLAB Management

Week of March 15-21, 2018

**Issues:**

**Accomplishments this week:**

Conducted bottoms up EAC kickoff meetings for 1.04.06 and 1.04.08.

Gathered accruals for 1.04.06 and 1.04.08.

Completed presentations and participating in the Director’s Review.

Preparing BCR for the Control Enclosure award.

Preparing for 2K CB FDR.

CMs remain on production hold.

Building a resource loaded what-if schedule that includes the impacts of the CM BPM bolt change as well as the UPC and tuner assembly bolt checking.

Conducted an internal Quality Assurance Assessment of CM assembly in preparation for the project audit that will occur on Thursday.

**Upcoming Activities:**

19 March – LCLS-II HE Risk Meeting @ SLAC

20-22 March – Director’s Review @ SLAC

1-3 May – LCLS-II HE ICR

7 May – Collaboration Meeting @ SLAC

8-10 May – OPA Review @ SLAC

15-17 May – LCLS-II HE Director’s CD-1 Review

19-21 June – LCLS-HE CD-1 Review

Weekly Reporting

WBS 1.04.06 JLAB Cryomodules

Week of March 15-21, 2018

**Issues**:

Production hold due to BPM leaks.

**Accomplishments this week:**

Participating in Director’s Review at SLAC.

Preparing award BCR for LERF cryo hardware to be presented in April.

Submitted VARs.

Cavity award package at DOE. Need final confirmation of quantity to award.

Continue BPM testing and evaluation of completed CMs and planning for CM rework.

Participated in internal QA audit. Preparing for SLAC-sponsored engineering and QA audits.

Working with Cryo group to understand and improve cold flow for fast cooldown in CMTF.

Preparing BCR for HX modification to improve cold flow capability in CMTF. HX has been pulled from test cave.

J1.3-11 – String was rolled out on 16-Mar.

J1.3-12 – All cavities have been qualified for the string.

J1.3-13 – 4 of 8 cavities have been qualified for the string.

**QUALITY**:

Consolidated suspect, non conformance tags for 24 eyebolts on SSAs atop the CMTF. These eyebolts do not have the proper size and load ratings and are thus suspect.  All others, including those in the LERF, are usable and remain untagged. SLAC (Scott Wenholz) has communicated that they will be declared ORPS but the entry has not yet been made.

SLAC is coordinating a QA audit for FNAL and JLab the week of March 19, specifically for Cryomodule assembly. A charge has been sent to the appropriate personnel but the lines of inquiry have not yet been finalized. Stephen Smith will represent JLab on the five person team.

**Upcoming Travel/Meetings:**

Director’s Review Mar 20-22 (Daly)

EZ Vendor Visit Apr TBD (Gonella)

EZ Vendor Visit May TBD (H. Park)

EZ Vendor Visit Jun TBD (C. Reece)

Weekly Reporting

WBS 1.04.06 Cryomodules - LERF Conversion

Week of March 15-21, 2018

**Issues:**  None

**LERF accomplishments this week:**

IP address listing for all devices can be found at: <https://wiki.jlab.org/lerf/index.php/Network>

Work on the raised floor is ongoing.

Cleanroom drawings were approved and sent to the vendor.

Most of the cables and connectors for this project has arrived.

Weekly Reporting

WBS 1.04.08 JLAB Cryoplant System

Week of March 15-21, 2018

**Issues:**

**Accomplishments this week:**

**2K Cold Box (no change from last week)**

1. The request for proposals (RFP) was issued; 07-Mar-2018.
   * Proposals are due back on the 9th of April.
2. FDR scheduled for 28-March.
   * Charge & Agenda for FDR in finalized.

**4.5K Cold Box Status**

1. PHPK is continuing to work to make progress on the final leak check.
   1. Internal piping leak found and repaired; in process of repairing another.
2. LCB – Performing leak check of internal piping.
3. UCB2 - All pressure vessel installed, piping is being added. Internal framework is finished. Bottom head and skirt assembly is nearly completed.
4. LCB2 - Pieces delivered this morning to build frame; plan to begin fabrication of internal frame today.
5. Cryoduct2 - Vertical section in inspection.
6. Vacuum pump skid (UCB) - about 98% complete.
7. Vacuum pump skid (LCB) - awaiting gate valve to arrive (expect end of month) to complete assembly for LCB pump skid.

**Interface Boxes (no Change)**

1. Joint meeting held with JLab & SLAC to discuss ECR
   1. SLAC will evaluate feedback from JLab.
2. Engineering change request (ECR) received from SLAC 05-Mar-2018.
   1. ECR requires design change to internal piping.
3. Vendor proposals are competitive and under evaluation.

**Machine Contol Centers (MCC)**

1. Factory acceptance testing witness visit held 09-Mar-2018.
   1. Issues identified with wire designation – this requires rework.
   2. Seismic mounting details still need to be resolved.
2. Delivery postponed due to rework of wiring and buss insulation.
3. Looking to minimize delay and expedite delivery to SLAC.

**Cryoplant Engineering Status**



Engineering continued to focus on preparation for the 2K cold box FDR & Interface box awards.

**QUALITY**:

Planning to attend final leak test of CP#1 Upper Cold Box in April.

**Upcoming Travel/Reviews:**

* 4.5K cold box final leak check ~Week of Apr 2nd
* 4.5K cold box re-assembly meeting @SLAC Postponed
* Director Review Mar 20-22nd (on-going)
* Procurement visit to LN2 vendor Week of 26-Mar
* 2K Cold box FDR 28-Mar-2018
* 2nd MCC Vendor Site visit (acceptance testing) TBD
* Visit to GHe vendor for acceptance Week of 09-Apr
* DOE OPA Review May 8-10th

Weekly Reporting

WBS 1.02.03.05.12 LLRF

Week of March 15-21, 2018

**Issues:** None

**Accomplishments this week at JLab:** No report.