Weekly Reporting

WBS 1.01.07 JLAB Management

Week of September 13-19, 2018

**Issues:**

**Accomplishments this week:**

Continue to participate in the shipping failure meetings.

Working on several shipping investigation LOI.

**Upcoming Reviews:**

Oct 2018 LERF Readiness Review

Nov 2018 CM Shipping Review

Dec 2018 DOE OPA Mini Review

Weekly Reporting

WBS 1.04.06 JLAB Cryomodules

Week of September 13-19, 2018

**Issues**:

**Accomplishments this week:**

Continuing to support shipping work groups that have 14 LOIs as requested.

Conducted next round of hammer tests on J1.3-07 and reviewed results internally. Planning tests with removable shipping restraints.

Developing removable shipping restraints for cold coupler bellows to be used with follow-on shipping tests.

Need to identify which CMs will be sent to LERF for first testing cycle. Identified J1.3-14 and J1.3-15 as first CMs to LERF in advance of Feb-2019 testing.

SLAC visiting JLab this week (9/19-9/21) to witness warm coupler removal and installation.

Preparing BCR for descope items.

Need BCR to include cost of inspecting bellows on J1.3-08 & J1.3-10.

J1.3-01, -03 – Waiting for cantilever fixture.

J1.3-02 @ BlueCrab – Moved to offsite storage on 29-Aug.

J1.3-04 @ WS5 – Moved to WS5. JT valves in progress. Warm coupler installation in progress.

J1.3-05 @ LERF; Used for fit up of cabling.

J1.3-07 @ WS5 – Installing shipping caps in preparation for hammer test. Further shipping tests have been cancelled as test plan is no longer valid according to the project. Project directed that no shipping tests are allowed to be conducted on this CM.

J1.3-08 – Waiting for cantilever fixture. Beam pipes prepared; MC Line removal in progress; Warm coupler removal in progress.

J1.3-09 @ BlueCrab – Moved to offsite storage on 29-Aug. NCR #1466

J1.3-10 @ CMTF - CM will rest idle in cave until space at WS4/5 is available to inspect HV bellows.

J1.3-11 @ BlueCrab – Moved to offsite storage on 29-Aug. NCR #1477

J1.3-12 @ WS3 – VV demag in process on WS4.

J1.3-13 @ WS3 – Cooldown lines welding and leak check complete. Mag lead soldering in progress.

J1.3-14 @ WS2 – Instrumentation and Mag shields are complete. Waiting for J1.3-12 to move to WS4 to move this CM to WS3.

J1.3-15 – All cavities have been qualified. Re-planned string prep week for 17-Sep due to lab actions related to hurricane Florence. Assembly will begin on 24-Sep with roll-out planned for 5-Oct.

J1.3-16 – All cavities have been qualified for the string. Return of lollipop tooling from J1.3-14 may affect string assembly start date.

J1.3-17 – Two cavities have been qualified for the string.

First batch of five HOM BLAs remains on hold.

**QUALITY**: Site CWI performed welding inspections on LERF installation components (fast cool down piping and guard vacuum piping).

**Upcoming Travel/Meetings:**

QA/QC Workshop at MSU/FRIB (TBD, TBD date)

Weekly Reporting

WBS 1.04.06 Cryomodules - LERF Conversion

Week of September 13-19, 2018

**Issues:** None

**Accomplishments this week:**

K. Jordan on travel attending IBIC in China.

Making plans for Readiness Review in October.

Updates & photos can be seen on the WIKI wiki.jlab.org

Weekly Reporting

WBS 1.04.08 JLAB Cryoplant System

Week of September 13-19, 2018

**Issues:**

1. Reduction in baseline resources (Return funding to contingency; the top-down EAC ) without corresponding reduction in scope of cryoplant commissioning.
2. Resolution of structural interferences created during the design of the platforms and cable trays support systems (identified in 2017).
3. Installation of the LN2 Dewar and helium ‘tank farm’ foundations. The warm helium tanks have been in storage for several months awaiting completion of these supports.
4. Engineering change request associated with the interface box design-build subcontract resulting in delay.

**Accomplishments this week:**

2K Cold Boxes:

* Government furnished equipment (GFE) delivered to vendors.
* First top-plate shipping to vendor this week.

4.5K Cold boxes:

* Follow-up re-assembly meeting scheduled for 10-October-2018.

C1 Lower Cold Box (LCB)

* Shell & heads installed; final closure welding in progress.

C2 Upper cold box (UCB)

* Final witness leak check scheduled for 20-Sep-2018.
* Delivery scheduled for 06-Oct-2018.

C2 Lower Cold Box

* Valves & process piping in progress.

Oil processing:

* All (60 barrels) oil processing complete @PHPK.
* Arranging delivery to SLAC for October.

**Quality:** Site CWI scheduled to perform an on-site vendor (Craft) welding review for 2K Cold Box Top Plates and Cold Mass Assembly Fixture.

Weekly call with Demaco, all action items closed from PDR and disclosed the platform will be in place PRIOR to installing DBX and INTF lines.

**Upcoming Travel/Reviews:**

* 4.5K C2 Upper Cold Box Final Leak-check @PHPK 20-Sep-2018
* CryoPlan Software Development Review TBD
* 4.5K Cold Box monthly status review 25-Sep-2018
* 4.5K Control logic meeting @ALATUS (27-28)-Sep-2018
* Interface Box FDR-1 04-Oct-2018
* Delivery of C2 UCB @SLAC 06-October-2018
* Reassembly of 4.5K Cold Box Meeting @SLAC 10-October-2018

Weekly Reporting

WBS 1.02.03.05.12 LLRF

Week of September 13-19, 2018

**Issues:** None

**Accomplishments this week at JLab:** No report; reporting bi-weekly.

**Upcoming Activities:**

* Commission CM2 SSAs in the LERF.
* LERF Readiness Review in October.