Weekly Reporting

WBS 1.01.07 JLAB Management

Week of June 26 – July 2, 2015

**Issues:**

Still need to make last two cavities available for vendor process development and qualification.

**Accomplishments this week:**

Continue working BCR presentation files for planned June and July BCRs. CP#1 reschedule is done, working transfer line and CP#2.

Presented the recommendation of 4 ½ k Cold Box to DOE and developing the PAR to be sent to the DOE n Monday, 6 July.

**Upcoming Activities:**

Cryo system process meeting at JLab 11-13 August

Weekly Reporting

WBS 1.04.6 JLAB Cryomodules

Week of June 26 – July 2, 2015

**Issues:** JLab needs to have four vendor qualifications and two dummy load cavities made available for shipment to cavity vendors. So far only two vendor qualification cavities have been made available. Two other cavities at FNAL have been identified - AES015 and AES017. Other potential cavities have been discussed but no project guidance has been provided.

**Accomplishments this week:**

Work continues on baseline qualification of two of four cavities for VQ cavities required. AES023 has been baselined. AES025 was vertically tested, did not pass and will be reprocessed.

Final cavity for string, AES029, was shipped to FNAL for HV welding.

AES032 and AES033 were received with helium vessels from FNAL then visually and RF inspected. Both cavities are being prepared for vertical testing in early July.

Zanon (EZ) visited JLab to witness doping and EP processes. Site visits to vendors have been planned for Mid-July.

We are continuing inspection activities for the BPM feedthroughs.

HOM and Field Probe feedthroughs have completed receiving inspection, and are undergoing leak checking and thermal cycling, initial batch complete and sent to FNAL.

The fixed end of the cantilever fixture was received and inspected at JLab. It is currently being installed. The moveable end of the cantilever was returned to the vendor for re-work. It is expected to return to Jlab in mid-August.

**QUALITY**

* The draft production version of the Multi-lab NCR Communication flowchart was reviewed with FermiLab at the QA conference call. FermiLab indicated that they will provide JLab with a copy of their procedure that describes the handling of non-conformance material.
* We are continuing with the cross-checks and status update with FermiLab on the ACS tracker and associated documents. FermiLab will provide JLab with any final comments from their side regarding the ACS forms for the dressed cavity.

**Upcoming Activities:**

Cavity Vendor Visits at JLab last week in June

Cavity Vendor Site Visits scheduled for 9-10 July (RI) and 13-14 July (Zanon)

Weekly Reporting

WBS 1.04.08 JLAB Cryoplant System

Week of June 26 – July 2, 2015

**Issues:** None

**Accomplishments this week:**

The technical evaluation documentation, best value determination and source selection recommendation for the 4.5K cold box was completed. The recommendation documentation will be forwarded to DOE on Monday, July 6th. The warm helium compressors technical evaluation and recommendation was delivered to the source selection officer. The best value determination for the warm helium compressors between the commercial and technical proposals with a recommendation presentation to the Source Selection Officer should be completed by the next July 9th weekly report.

Additional JLab coordination meetings were held to plan manpower and equipment costing to support planned BCRs for the first and second cryogenic plant. The BCR for the first cryogenic plant was developed to improve funding scheduling and was presented on June 25th and was approved. The second plant BCR presentation has been moved to July 16 from June 25th.

Weekly meetings with SLAC Infrastructure resumed for planning the new larger cryoplant building. Discussions this past week has centered on the water and electrical service entrances, control room requirements, and building column locations. Two trips to JLab are scheduled by the A&E/SLAC: one for July 14th, the other TBD in August (possible target date, 3rd week of August).

**QUALITY**

No report.

**Upcoming Activities:** None

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Weekly Reporting

WBS 1.02.03.05.12 LLRF

Week of June 26 – July 2, 2015

**Issues:** None

**Accomplishments this week:**

The LLRF team is working on assembling documentation and presentations for the CDR scheduled for July 8.

**Upcoming Activities:**

* PRL Meeting July 7
* CDR July 8
* ESD drafts end of July