Weekly Reporting

WBS 1.01.07 JLAB Management

Week of June 5-11, 2015

**Issues:**

Need to make cavities available for vendor process development and qualification.

**Accomplishments this week:**

Contract kick off meeting was held with the second Vendor.

Preparation of BCRs for CP#2 and labor loading for cryomodule production are being developed.

Jim Healy is here from SLAC this week.

**Upcoming Activities:**

Finalize the 4.5K Cold Box and warm compressor best value evaluation.

Weekly Reporting

WBS 1.04.6 JLAB Cryomodules

Week of June 5-11, 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.

**Accomplishments this week:**

Work continues on baseline qualification of two of four cavities for VQ cavities required - AES021, AES025. The other two cavities at FNAL have been identified - AES015 and AES017. Other potential cavities have been discussed but no project guidance has been provided.

Jlab has identified two cavities at Jlab that can be used as “Dummy” cavities for the vedor doping development work.

Sight visits for both cavity vendors have been schedule at Jlab to support the technology transfer of the cavity doping and updated EP processes.

We received an inner magnetic shield assembly to be used in HTB tests. Inspection activities for the BPM feedthroughs have started.

HOM and Field Probe feedthroughs have completed mechanical inspection. Leak checking and cold shocking is schedule for next week.

Vendor for the CM Assembly tooling including the 10t spreader bar, cold mass assembly fixture and part of the cantilever fixture were here to review issues with the components. Positive responses on all issues and actions are underway to fix items as needed.

Several staff members are at Saclay this week meeting with the cryomodule assembly team there.

**QUALITY**

No report.

**Upcoming Activities:** Cavity Vendor visits at Jlab, next week and the last week in June.

Weekly Reporting

WBS 1.04.08 JLAB Cryoplant System

Week of June 5-11, 2015

**Issues:** None

**Accomplishments this week:**

The technical evaluation documentation for the 4.5K cold box and warm helium compressors was delivered to procurement and the source selection officers for best value determination between the commercial and technical proposals.

A table of relief value tag names and sizes for the cryogenic process interfaces, as well as source gas capacities to the distribution system was developed and is being checked. Submission to Fermilab is scheduled for next week.

Preparations are underway for the arrival of 3 SLAC engineers who will be working with JLab on the cryoplant design. Two are scheduled for July 1st, one for August 1st.

Additional JLab coordination meetings were held to plan manpower and equipment costing to support planned BCRs for the second cryogenic plant. The planned presentation date is June 25th.

Weekly meetings with SLAC Infrastructure resumed for planning the new larger cryoplant building. Discussions centered on the proposed equipment layout previous provided to infrastructure for review.

**QUALITY**

No report.

**Upcoming Activities:** None

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Weekly Reporting

WBS 1.02.03.05.12 LLRF

Week of June 5-11, 2015

**Issues:** None

**Accomplishments this week:**

1. Engineering and Design: Held LLRF Team meeting at JLAB this week. Much was discussed

Hardware delivery dates assigned.

Authors and dates assigned for ESD.

18 Month schedule through FDR developed.

**Upcoming Activities:**

* CDR Document Package July 15
* ESD drafts end of July