

Long Shutdown Integration Meeting

February 14, 2013

F224-225, 10 am

MINUTES

Action items are in red font

Presentations from meeting are available at:

https://www.jlab.org/div_dept/directorate/proj_mgmt/lsd/presentations.html

• **Intro, issues**

F. Pilat

- Resource graphs end of day today, with resource meetings planned for tomorrow
- Wednesday RPM: format: identified structure that matches commissioning organization, too early to transition now (May-June framework, after commissioning review). We are discussing an interim solution
- Risk table is being updated and planning to complete end of this week – S. Smith
- Table of milestones responsibility of commissioning team with input from PMI&LSD (draft version in 2 weeks – M. Spata)

• **LSDD Report**

R. Michaud

- See presentation for full details
- 2S installation progressing
- 2R alignment completed & DC power/electricians working to prep dipole cables
- Transport region removal completed
- Hall d tagger wall opened up
- MCC renovation underway
- B68 roof work & lcw mods complete
- CHL2 warm compressor commissioning on going
- CHL water pipe to arrive
- Please attend 8am meeting (B87) to get status updates everyday
 - Would like to see more people from physics in attendance
- Encourage everyone to walk the tunnel once a week. Contact Steve Suhring to get a tour if you would like one or if your training is not up to date – Steve will arrange escorting for you
 - Print the ATLI work map published daily and take it on the tour with you
- Noted: many magnets have been reinstalled and labeling is helpful – Randy will contact Tommy Hiatt

- **Update on the CHL-1 pipe plan** B. Sperlazza

 - NTP (notice to proceed) given on Friday Feb 8th
 - Contractor is here and has started the pipe supports inside the CHL bldg.
 - Water flowing by **22nd March (usable to run the compressors full time)**.
 - After 22nd March – FML will still have punchlist/clean up items
 - Initial piping is scheduled to arrive tomorrow, 15th Feb

- **Cryomodule Commissioning Plans** M. Drury

 - Based on the 22nd March water flow date for the CHL water pipe repair work - Looking to get linacs cold (2K) by mid April.
 - Mid aug finish up existing cm re-commissioning with resources freeing up in July and Planning to finish up in the test lab end of June for C100's and will allow C-100 #10 to be done by 10th of August. R100 in injector will follow and be done by end of August.
 - Staffing: not short on commissioners at this point. All have been identified and getting trained. ~25 people supporting this effort.

- **HDR, linac cool-down** W. Oren

 - Hall D – fixing all 3 compressors. 3rd one has not been started yet. C2 – parts ordered and ready end of next week. Once C3 is done (parts ordered and coming in), then will get to C1.
 - 2nd week of April for Solenoid. After initial test (month or two – being discussed), then will go back to 300K.
 - CHL2 (C1, 2, 5 run). Punchlists being worked. C4 is next.
 - Coldbox – linde is on site and making arrangements for march 12th. Lots of activities. Cooldown LN2 end of March, 4K beginning of April.
 - CHL1 coming on about the same time (April)
 - FEL engineer dedicated full time.

- **Update on TLA milestones** R. Yasky

 - See presentation for full list of milestones, priority milestone information listed below:
 - Pri #1: Cleanrooms available – 22 Feb 2013
 - 15th feb during a power outage, supply ducts will be sealed (was affecting the pressurization).
 - Pri #2: UPW acceptable water – completed 11 Feb
 - Acceptable = Within the parameters for TOC, resistivity, and particles
 - Pri #3: acid delivery systems – completed 7 feb

- **Status of Hall work** W. Akers

 - See presentation for full details – areas of concern noted below
 - Hall A: Areas of Concern
 - Compton polarimeter: assembly issues related to engineering, but working this out – no impact on schedule
 - Chicane dipole #3 being re-mapped in place (unplanned and will delay repositioning and alignment of the dipole, but does not significantly impact overall schedule)
 - Hall B
 - No areas of concern – all de-installation completed
 - Hall C

- No areas of concern
 - SOS removal ongoing – shield hut removed, floor being removed, support structure to be done in Feb, rails removed
- Hall D
 - No areas of concern
- Space/storage/logistics
 - GPB – FML has to get items out of warehouses off site and plan to put these items into the GPB (early summer). Cryostat factory planned for GPB, but if test lab done mid June, then it can be set up there (but planning for GPB)
- Per 12GeV project: Hall D late...procurements are late (little items) and running a 20%/month cost overrun and schedule variance. No big items left for the Hall D scope.

- **January Schedule Progress**

D. Napier

- Working details for OL04, 11GeV separator, and updated 12GeV beam transport schedule to get resource data finalized. Working with resource providers by meetings from W. Oren to review data and staffing concerns/issues & changes needed in LSD schedule

- **Around the room**

- 12 GeV accelerator

L. Harwood

- Claus – 12GeV ETC (estimate to complete – 1 march forward) and is looking heavily at the accelerator status for the long down work that is behind and reviewing the manpower to finish the scope by Sept. initial reviews see manpower shortages 3rd QFY, but changes from CAMS may change this. Worse case calculation is 75 more people in the 3QFY

- Drury – OSP being updated for CM and getting signatures – planning to finish by next Tuesday. If there are people out – please contact Steve Smith/Mary Jo.

- 12 GeV physics

G. Young

- Physics

R. Ent, J. Gomez, W. Akers

- FEL

G. Neil, R. Walker

- Staff has been reassigned. Thank you to all for the support
- Funding shortages:
 - 2nd installment navy – mid March
 - VA money delayed
 - FEL in a ready state to run (just waiting CHL water pipe repair)

- Operability

S. Suhring, A. Freyberger

- Commissioning, CASA

M. Spata

- Commissioning team review risk by area of machine
- CASA reviewing magnet measurements
- Almost done releasing beamline lattices (a few more weeks)

- Engineering

W. Oren

- Waiting circulators from vendors for 12GeV rf zones (bill merz). 8 or 12 will be here end of Feb (can do one zone)
- Doing testing that can be done w/out circulators.
- w/out circulators, can't mount klystrons, other hardware

- Facilities

B. Sperlazza

- MCC work moving well

- Counting house is looking good. Contractors painting/prepping 1st floor. 2nd floor is getting ready for supports for roof top equipment
- ESH&Q M. Logue, D. Owen
 - Send risk registry updates tomorrow morning to steve
- PMI P. Collins, K. Krug