

Long Shutdown Integration Meeting

January 17, 2013

F224-225, 10:00 a.m.

MEETING MINUTES (Dianne Napier)

(Action Items in Red)

- **Director Review Report and response** F. Pilat
 - See Fulvia presentation for full details
 - Nov 16th & Dec 17th Review held
 - Jan 3rd report received and distributed – please read it
 - Draft response to report presented – see presentation for full details
 - 2 recommendations
 - Hold a review with experts for the 2013 cryogenics operations plan to address mitigation to risk to the late 2013 schedule milestones (Will Oren, et al)
 - Develop, distribute and maintain a clear high level representation of the schedule with well understood and articulated milestones (Pilat, Dianne, Pat)

- **New Approach to RPM (Wednesday Meeting)** F. Pilat
 - Goals: Want to increase effectiveness of meeting, more a working than a reporting meeting, support the lsd integration effort, start to think “reco/commissioning”
 - Proposal: geographical areas rather than organizational (resource groups), add a tag in the schedule for these areas so reports can be generated for the people responsible for reporting on these areas, identify people responsible for integration of areas (in progress)
 - See details of geographical areas in presentation
 - Resource providers will be in attendance and emphasize the “red” areas
 - FML will be in attendance as well
 - CAMS for 12GeV should be in attendance as well
 - Want to have a meeting next Wednesday to kick this off
 - Job description for this reporter is needed
 - Please provide feedback to Fulvia on this proposal

- **Changes in the 12 GeV Project organization** C. Rode
 - See C. Rode presentation for full details
 - G. Young is overseeing the Hall B&C Superconducting Magnets with team developed for Hall B and Hall C. He is running the task force. Task force org chart presented
 - Path forward – focusing on rebaseline, ETC and BOE (basis of estimate) for all

- **Update on the CHL-1 pipe plan** M. Solaroli/B.Sperlazza
 - Team is putting a full time effort in to this effort
 - Cooling towers that feed the CHL – transfer lines last Tuesday leak was found. Found that the buried lines that are tapped off the main feeder are in bad shape.
 - Since then, the pipe has been abandoned. Hoses connected to supply water to the compressors to keep Hall D operations going. Req signed for construction of a new pipe above ground.
 - Warwick plumbing working on bid/cost.
 - NTP is a few weeks out and start of work. 6 weeks +2 estimated to complete job. (8 to 9 weeks from today ~end of March 2013).

- **Thoughts on mitigation plans** L. Harwood
 - See Harwood presentation for full details
 - C100 commissioning had 1 month of float, currently delaying day for day. Delays longer than 1 month will affect the end of the down
 - Mitigation – Shift to CHL2 – No Joy
 - Won't be ready until mid-May (4 months from now). Need the transfer line that connects it to everything and 4K plant running
 - Transfer line not complete until mid-April (3 months from now). Extra people may not help due to small working areas. OT is a long haul as they have been working OT since November.
 - Shorten C100 commissioning duration – some joy
 - Save a month by rebalancing resources between C100 and existing CMs
 - Need more bodies needed than what is in the current plan (1 shift/day @ 7 days a week and some second shift is the plan)
 - Would fix the delay in start of cooldown – but no float and little/no time for HP bad cavities
 - Shorten C100 commissioning duration – possible joy
 - Add some day-shift commissioning but need to lock up
 - Beam transport working in racetrack is complete end of July
 - Looking at shifting things around to lock up one side or the other (like we did in the 6MSD)
 - Need more commissioning crews
 - Other: reduce amt of data acquired during testing
 - Would have to do this early to have an impact
 - Not preferred
 - Other: extend cryomodule work into Hotcheckout
 - Keep as contingency if we run late

- **Schedule status and progress** D. Napier
 - See presentation for full details
 - Progress as of end of Dec 2012 presented, 3 month look ahead, change requests upcoming
 - Resource overutilization for Mech installation group, S&A, RF elec techs to be reviewed. **Meeting will be setup with resource providers to review the plan.**
 - Physics not impacted by CHL water pipe and work is progressing as planned for de-installation in hall b and c.

- FEL Admiral schedule raised as an concern from the schedule (-7 days float) relative to 30 Sept 2013 constrained date for FEL. FEL and SRF discussions regarding other variables contributing to the schedule. **Updated plan for admiral will be provided for end of Jan progress collection.**
- **End of Jan progress sheets go out to project managers 30 Jan and are due back to PMI by 4 Feb.**
- Impacts of CHL water pipe will be collected with end of Jan progress as PMs evaluate options
- 3 month look aheads on track (with the exception of the activities impacted by the CHL water pipe (accelerator CM commissioning, etc).
- 12GeV project data projections show impacts to meeting the end of the down whereas LSD schedule does not. **Review of LSD and 12GeV accelerator data will be done.**

- **LSDD Report**

S. Suhring

- See presentation for full details
- Highlights: PEPPo dismantled, penetration repairs progressing, B68 and MCC renovation projects started, all BT stands on site, 1st ZA installed, linac valve swaps almost completed, tagger wall almost completed, PSS certification planned for completion this week, all u-tubes to be installed by end of this week (not 0L04/R100 and 2L21), hall d solenoid cooldown progressing, CHL cooling towers completed (working water pipe now)

- **Around the room**

12GeV project

C.Rode

- Meetings planned with Mont for ETC/BOE.
- Looking at trends for work to be completed to fit the down

12 GeV Accelerator

L. Harwood

12 GeV Physics

G. Young

SRF

- Anne McKewon is taking over group leader responsibilities that J. Hogan previously did as he is now working on 12GeV magnets

Physics

R. Ent, J. Gomez, W. Akers

FEL

D. Walker

- Ring resonator is progressing very well. All other work is coming together very well.

Operability

S. Suhring, A. Freyberger

Commissioning, CASA

M. Spata

Engineering

W. Oren

Facilities

B. Sperlazza

ESH&Q

M. Logue, D. Owen

- Safety fair was very successful and had great feedback from attendees. Thanks to all that participated.

PMI

P. Collins, K. Krug