

Long Shutdown Integration Meeting
March 14, 2013
F224-225, 10:00 a.m.
MINUTES

- **Intro, issues** F. Pilat
 - **Overall delays of 1-2 months**
 - **ETC 12GeV increases**
 - **Cannot increase resources (budget, sequestration)**
 - **Mech inst/vac group resources analyzed and scope deferred**
 - **Needs to be done for other resources**
 - **Re-baseline maybe May/June 2013**
 - **12GeV will be reporting on baseline through July**

- **February Schedule progress** D. Napier
 - See presentation for full details
 - B68 is good
 - 11GeV: LLRF team – under control
 - Wissman needs to review the data
 - Acc maint – supporting 12GeV project
 - Will know better in 2 months – if issues supporting maintenance items
 - RF power work increasing to get to commissioning
 - ICD increasing due to delays in 12GeV items
 - 12GeV RF: circulators, commissioning due to water pipe
 - 12GeV IC&S: can recover the schedule variances
 - 12GeV Halls B, C (carriage delays due to safety and then to magnet – but has float), D:
 - Request to remove all activities past the down from the LSD schedule. Dianne & PMI will implement before the next progress meeting.
 - Hall A 6GeV – good to go and change name of wbs to hall a ops. Dianne & PMI to implement before next progress
 - Hall C de-installation – done
 - Graphs show Water delay – and push to get to end of down
 - FEL – need an updated plan or just delete until we can get a new funded plan for them

- **LSDD Report** R. Lauze/D. Napier
 - See presentation for full details
 - D. Napier is LSDD now

- **LSD Resources** W. Oren
 - See presentation for full details
 - Meetings held with resource providers 3rd week of Feb
 - S&A, MSINST/VAC/MAG MEAS

- DC power is ok
 - Alignment
 - Options presented
 - Anyone at the lab – in the next few weeks until Aug? Please contact W. Oren. Mechanical skills, work around the acc site,
 - Will to look at outside people that can do this (across the street)
 - MSINST/VAC/MAG MEAS
 - No new staff
 - BT and other work done by labor day if...
 - Assumes you can smooth peaks
 - BT estimates are 10% under
 - Defer work until after labor day:
 - 12GeV hall c – fenker says this work can be delayed to make FY16
 - 11GeV separator – spata says should not be an issue
 - RSR checkout – starts Aug
 - Arne not concerned with delaying this to after labor day
 - FEL (gun and admiral) – not present, but can be done?
 - High power beam dump – not present, but can be done?
 - NOTE: PMs still to be ready in case workers can get to this work
 - Claus suggests to look at critical path in schedule and float and make a list based on this.
 - Need to extend terms – working on this now
 - Need to extend matrixed – can do this now that all are in agreement of delay in schedule for above list
 - RF & DC groups will used maintenance as a filler
 - SRF group?
- **Halls utilization of external resources** W. Akers
 - Met with S&A a week ago and working plan
 - Will have updated plan to present in 2 weeks
- **Update of risk table** S. Smith
 - See presentation for details
 - Risk registry: highs
 - #1 budget
 - #2 2K Coldbox #1
 - Eng working cold compressor cards repairs
 - Need to spin them up and try it

- 4 week interruption to ch11 cm commissioning is tolerable
– still being worked

- **Update on TLA milestones**

R. Yasky

- See presentation for dates, no issues

- **Around the room**

- 12 GeV Accelerator L. Harwood
- 12 GeV Physics G. Young
- Physics R. Ent, J. Gomez, W. Akers
- FEL G. Neil, R. Walker
- Operability S. Suhring, A. Freyberger
- Commissioning, CASA M. Spata
- Drury: C1008 acceptance testing done next week (Mon/Tues) and moving to tunnel week of 25th. C1009 in cave in about a week or two
- Merz: need electricians for about one month
 - In hall c removing legacy cable (not in plan as mech techs were supposed to do it)
- Fenker: Cooldown Hall C magnets = still planning to use CHL1 and be cold by Jan 1 – Paul Brindza is the POC
 - About late April/may more follow up to Howard. Start of cooldown July 1 for HMS (3-4 weeks it takes to cool). This new information helps Will Oren out.
 - Contractural to test power supplies before paying
 - Then ready for installation of power supplies and cooling new magnets driving the plan
- Engineering, Cryogenic W. Oren
 - Overall cryo plan: CHL#1 Friday next week and bring it up over the weekend
 - Cold Tuesday March 26th to start CM commissioning
 - April 8-10th CM cooldowns
 - Linde here on April 2nd and start valve adjustments and turbine loading into Coldbox (2 weeks of work)
 - Startup date being worked
 - Day shift – tweaking machine and fix at night if needed (while CHL#1 is running)
 - Hall D running (liquid coming soon) – 2 compressors are running hard and delayed on 3rd due to brazer in Richmond doing repair isn't responding.
 - Help from ops being looked at by Noel
- Facilities (CHL pipe) B. Sperlazza
- ESH&Q M. Logue, D. Owen
- PMI P. Collins, K. Krug