

Long Shutdown Integration

List of Issues

1/18/2012

6 GeV/12GeV Accelerator

- Steve Suhring's alternate proposal for 12gev accelerator work – review/feedback from Leigh
 - Warm gas piping not in the North Linac (per Claus/Leigh)
 - PSS work ~6 weeks (2 weeks in Suhring proposal)
- PEPPO running at start of down
 - Matt and Joe proposed 3 scenarios
 - Plan A: Do all 3 weeks at beginning – preferred option
 - Plan B: Do 3 weeks into the shutdown at a little later (August/Sept)
 - Plan C: Do a short run at the beginning (1 week) 24/7 operations fully staffed injector and finish longer run later in the schedule. Short run would be a commissioning run at 1 week to demonstrate they could do the experiment
 - C, A, B is the order
 - Main concern is Personnel (most not here at JLab)
 - 2 experts leave in June; 1 leaves Oct 1; 2 students working on master's and PHDs
- ESR
 - No major maintenance planned
 - Hall B HDIce needs 10 days after beam delivery terminates in May; Hall C want until Nov/Dec for HMS recommissioning and then 12GeV power supply checkout
 - Just need to take a decision as this impacts staff/resources
 - **1/18/12 update from W. Oren: Complete. Current plans have ESR operational until July 15, 2012. Warmup to 300 K after that.**
- CHL #2 cooling tower – elevate structure
 - CHL #2 cooling towers shutdown? (length?) to elevate the structure for access – need information from FML
 - **1/18/12 update from Sperlazza: work has been cancelled**
- CHL #1
 - Major maintenance needed (with full warmup of 3 months)
 - If not doing maintenance, then staff can work on CHL2 – need decision ASAP and if so – need to start design on transfer line ASAP for CHL2
 - **1/18/12 update from W. Oren: CHL 1 & 2 "dance" is decided. Scheduling of actual maintenance work for CHL1 needs to be done as does the Transfer Line work and cooling tower "dance". Won't do maintenance until CHL #2 up and running**

- CHL #1 Cooling tower maintenance & replacement
 - **Duration – 3 months? Need information from FML. Can Start Aug 1. This is a bank of 4 cooling towers. Bob is working up detailed schedule.**
 - One CHL is needed for CM commissioning (May 18-Aug 1) if CHL 1. Then CHL1 can go down and cooling towers can be replaced.
 - FML working alternative plan without rental towers with switch in mid may (Can't run CHL1 and 2 at the same time with current configuration)
 - Interconnect will feed CHL 1 from CHL2 cooling towers, but cannot take CHL1 towers down.
 - This interconnect will be removed Aug
 - **Need to check interconnects/cross connects**
 - **Cooling tower procurement status**
 - **1/18/12 update from Sperlazza: - Current plan to align with 3 month shutdown of CHL #1 - "Contract Award" in April, "Submittal Reviews" in May, "Materials Ordering" from June - July and "Construction/Commissioning of Towers 1&2" - Aug-Oct'12**

- Transfer Line work
 - **When to do?**

Facilities

- Switch for 40MVA
 - Rusty's needs funding for switch to allow for power loops or there will not be enough power in the current 37MVA.
 - The switch will be include in this year's Tie Line package as an option - **12 GeV management will need to decide if they will fund it**
 - If not funded, there will not be enough power in 14/15.
 - Switch will buy time until 40MVA can be upgraded
- FML counting house rehab and Hall C spectrometer commissioning impacts/coordination
 - **1/18/12 update from Sperlazza: Current Rehab schedule has construction from mid to late June'12 - Apr'13**
 - W. Akers coordinating with FML

- FML needs schedule information for contracts (but may have changed due to budget cuts):
 - Acc Tie Feeder – not an issue – all decided after June 15th sometime
 - **1/18/12 update from Sperlazza: Construction scheduled during CHL#1 down - Aug-Sept'12**
 - Backup towers and header mods
 - **1/18/12 update from Sperlazza: North and South Back-up Towers and Bldg 92 Headers not scheduled until FY 14**
 - CHL cooling tower upgrade (CHL #1 cooling tower upgrade (electrical outages coordinated by P. Powers (FML) and J. Creel (Cryo group) – status on coordination)
 - **1/18/12 update from Sperlazza: Current plan to align with 3 month shutdown of CHL #1 - "Contract Award" in April, "Submittal Reviews" in May, "Materials Ordering" from June - July and "Construction/Commissioning of Towers 1&2" - Aug-Oct'12**

6 GeV/12GeV Physics

Hall A

- xx

Hall B

- xx

Hall C

- xx

Hall D

- xx

12 GeV Civil

- xx

FEL

- xx

ES&H

- Xx

Lab-wide integrated schedule

- Gather plans from all