

Long Shutdown Integration

List of Issues

As of 1/19/2012

6 GeV/12GeV Accelerator

- Hall C Beam Dump
 - K. Welch email 5 Jan 2012 regarding plans and potential scope/improvements for Hall C Beam Dump
 - These improvements help reduce or eliminate exposures to radiation and other health hazards, improve system reliability and reduce the chances of major system failures which could interrupt the physics program for long periods.
 - **NEW: 1/19/12: POC? Plan/Funding/other concerns?**
- PEPPO running at start of down
 - Meeting 1/17/2012 with L. Harwood to discuss compatibility of Peppo running concurrently with installation work in the NL. Seems feasible. To be discuss with the rest of the LDS Team.
 - **1/26/2012 Discussion at the LSD Meeting**
- 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.
 - **1/19/12: Claus states to review Hall C power supply testing later in the down and need for ESR. Dianne to touch base with Glenn/12GeV Physics Team.**
- 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 (December timeframe)
 - **1/19/12: CHL will run until August 1st. If CHL2 is late, then CHL1 is up.**
- 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
- 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
- **1/19/12: Need to check interconnects/cross connects. B. Sperlazza states this is not funded currently and has an estimate of ~\$20K**
- Transfer Line work
 - When to do?
 - **1/19/12: L. Harwood states this work is currently planned to be done in parallel with the warm gas work at the beginning of the down and then complete the south linac. Leigh noted that the dummy CM in the SLinac will be pulled when the south linac is warm (5th CM will go into the north linac). Issue closed?**

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
 - **1/19/12: C. Rode stated he (12GeV) cannot fund the switch. If UIM is planned for FY14 and covers the scope needed (ie, switch not needed), then this issue is closed. C. Rode noted that we need 10GeV for CD4B. B. Sperlazza to follow up.**
- FML counting house rehab and Hall C spectrometer commissioning impacts/coordination & Hall B
 - **1/18/12 update from Sperlazza: Current Rehab schedule has construction from mid to late June'12 - Apr'13**
 - **1/19/12: Most of work in the FML scope is for the 1st floor of the counting house. Walt states only electrical and network need to be up and running. Hall B room also has scope that needs review for impacts with Hall B. 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
- 1/19/12: Issue Closed
- 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

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Hall B

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Hall C

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Hall D

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FEL

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ES&H

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Lab-wide integrated schedule

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Closed Issues

1. (6GeV/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)
 - **1/19/12: Leigh stated this proposal will not work as the plan is to warm up the north linac on the 1st day of the down. Issue is closed.**
2. (FML): 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**
 - **1/19/12: Issue is closed**
3. (FML): FML needs schedule information for contracts:
 - 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**
- **1/19/12: Issue Closed**