

3 Month Look Ahead & Long Shutdown Schedule Status

2 August 2012

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COUNTDOWN TO LSD RE-BASELINE/UPDATE:
13 days (to August 15th ???)

- ▶ 3 Month Look Ahead
 - ▶ Baseline, Progress & Files
 - ▶ Change Request List
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3 Month Look Ahead (August, Sept, Oct 2012)

- ▶ 3 month look ahead report available:
 - <https://www.jlab.org/TLSD/SCHEDULES/>
- ▶ Same list as last meeting – let's discuss any changes
- ▶ Major Milestones & Outages:
 - CHL #1 Warm Up Begins & Ends: 1 Aug & 15 Aug
 - Test Lab Demolition (Start Milestones)
 - ✓ West Wing 2nd Floor Shop Area (June 4)
 - ✓ West Wing First Floor High Bay South Clean Rooms (June 11)
 - ✓ High Bay Major Demolition (June 25)
 - Test Cave & VTA Limited Use (25 June – 17 Aug)

3 Month Look Ahead – Major Activities (August, Sept, Oct 2012)

- ▶ **12GeV Accelerator – Beam Transport**
 - Complete S/R removal
 - Complete West Arcs Rough Alignment (by mid Aug)
 - Complete ER & WR magnet and girder re-work (by mid Aug & Oct)
 - Complete ER stand installation (by mid Sept)
 - Complete Arcs 1 & 3 disconnects, magnets & girders removal, magnet refurb (by mid Aug & Jan 2013)
- ▶ **12GeV Accelerator – CM, Power, I&C, Safety Sys, & Cryo**
 - Complete CM#4 Commissioning (SL22) & Associate RF (by end of July)
 - Complete Box Supply & Shunt Shuffles (by end of Aug & Sept)
 - Linac Transfer Line Mods (Aug to Sept)
 - CHL He Plant – 4K cold box testing (Sept to mid Jan)
 - PSS Linac Upgrades (by early Dec)
- ▶ **Acc Ops**
 - Various maint work
 - CM Shuffle – OL04 remove, rebuild, and installation of girders (by end of Aug)

3 Month Look Ahead – Major Activities (August, Sept, Oct 2012)

▶ 12GeV Hall D

- PS Magnet fiducialization & initial alignment (by end of July & Sept)
- FCal detector housing infrastructure (by end of Aug)
- Tagger, Goniometer, Quad mark stand locations (July & Sept)
- Install Bcal rails into solenoid (by early Oct)
- Complete solenoid cladding, shims, and platform (by early Oct)

▶ Hall A

- Complete G2P removal – upside down girder (by early Oct)
- Moeller Work continues (complete by early Oct)

▶ Hall B

- Panel 4 TOF removed (by end of July)
- Cerenkov Counters & FTOF removed (by end of Aug)
- Split CLAS (by end Sept)
- Panel 2&3 TOF & South Clamshell removed (by early Oct)

▶ Hall C

- QWeak decommissioning and removal (by early Sept)
- Concrete Floor removal complete (by end of Sept)
- SOS Dipole, shield hut, steel structure removal complete (by early Oct)

3 Month Look Ahead – Major Activities (August, Sept, Oct 2012)

- ▶ **Conventional Facilities (FM&L)**
 - Counting House Renovation construction starts (mid Aug)
 - Tunnel Penetration Repairs for waveguide penetrations Complete (by end of Aug)
 - 40MVA to 22MVA tie line complete (by end of Sept)
 - MCC HVAC/Roof Procurement & material orders (mid July to end of Oct)
 - CHL#1 Cooling Tower Headers & Setting Tower (Aug to end of Nov)
- ▶ **FEL**
 - Complete Run by end of July
- ▶ **ESH&Q**
 - Dosimetry Changeout complete (by early Aug)
 - RAM Inventory complete (by end of Aug)
 - RadWaste Shipment complete (by mid Sept)

Baseline & Progress

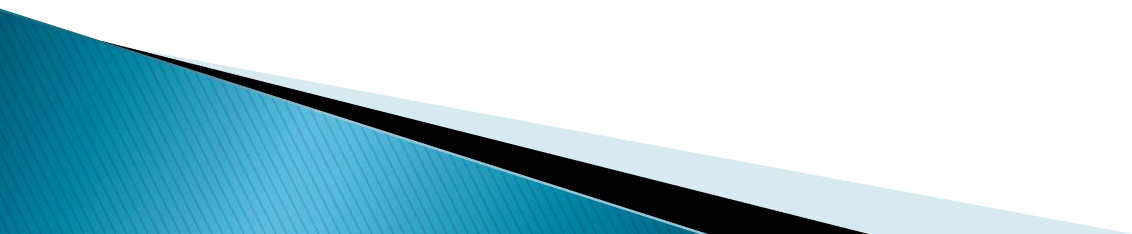
- ▶ Baseline achieved as of 11 May 2012 (12GeV activities are as of end of April 2012).
- ▶ Progress as of end of July
 - Activities that did not start as planned & didn't have an updated start date provided → default to first working day of Aug 2012
 - July progress sheets sent **30th July** and due back to PMI by **COB Aug 2nd (for non-12GeV activities)**
 - **All sheets turned in?**
 - Last 12GeV progress meeting is 6 Aug & planning to have LSD progress **schedule updated by 8 Aug** (RPM meeting is 8 Aug)

Upcoming NTF/Change Requests

1. Transfer Line Alignment during warmup (W. Oren/S. Suhring) – (From Wed 1330 6th June Mtg). Follow up analysis done 23 July mtg. 1 Aug CCB approved CR and final changes to be implemented for 8 Aug publication of LSD progress schedule.
2. 12GeV CR for ODH requirements NLinac/Tagger (L. Harwood/M. Spata) – page one submitted to 12GeV project and analysis being done by engineering.
3. 12GeV Hall C Schedule Implementation (H. Fenker/G. Young) – Aug Review planned
4. 12 GeV ACC RF Circulator Swaps (L. Harwood) – (From Wed 1330 6th June Mtg & pending funding, scope being reviewed)
5. 12GeV Hall B Schedule Implementation (Latifa/G. Young) –
Sept Review

Files

- ▶ Files posted to website:
 - <https://www.jlab.org/TLSD/SCHEDULES/>
 - PDF & Excel version of schedule (baseline & progress)
 - Resource Utilization File
 - 8 Week Look Ahead – for the RPM Bi-Weekly
 - 3 Month Look Ahead – for the Thursday LSD Team planning efforts
 - Progress Schedule, Critical Path, & Resource Analysis File
 - Change Request Folder
 - CR Page One template & example
 - CR Log



Critical Path (22 days float or less)

- ▶ From June 2012 Progress. File posted to website
- ▶ Analysis is now included as a separate tab in the schedule/resource progress analysis spreadsheet

- ▶ **1.20M.2.2 CHL Milestones/Outages**
5 days float. Relative to 1.26 CHL cooling towers replacement (see below).
- ▶ **1.26.5 CHL Cooling Tower Replacement** (B. Sperlazza)
1 day float. All activities in this WBS relative to Commissioning Towers 1 & 2 complete by 30 Jan 2013 (constrained date).

- ▶ **1.3.1.4 Checkout/Commissioning Cryomodules** (J. Hogan/L. Harwood)
22 days float. CMs #3, 6, 7, 8, 9, 10. 15 days float. Driven by Installation of CM#3 with a constrain to must start on 21 Dec 2012.
 - ***Will be updated with July progress. Plans are to install CM#3 mid August. All subsequent installations/commissioning to be updated.***

- ▶ **1.23.1.2 Cryomodule Shuffle** (S. Suhring)
2L21 recommission 0L04. 22 days float. 12GeV Checkout/commissioning of CM#10 NL 26 must finish first (9 Aug 2013). 0L04 can be then start but must be completed by end of the down.
 - ***Will be updated with July progress. Plans are to install CM#3 mid August. All subsequent installations/commissioning to be updated.***