

# 3 Month Look Ahead & Long Shutdown Schedule Status

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**COUNTDOWN TO LSD RE-BASELINE/UPDATE:  
45 days (to end of Sept 012)**

- ▶ 3 Month Look Ahead
  - ▶ Baseline, Progress & Files
  - ▶ Change Request List
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# 3 Month Look Ahead

## (August, Sept, Oct, Nov 2012)

- ▶ 3 month look ahead report available:
  - <https://www.jlab.org/TLSD/SCHEDULES/>
- ▶ Information from July 2012 progress schedule
- ▶ Major Milestones & Outages:
  - CHL #1 Warm Up Begins & Ends: 1 Aug & 15 Aug
  - Test Lab Demolition
    - ✓ West Wing 2<sup>nd</sup> Floor Shop Area start (June 4)
    - ✓ West Wing First Floor High Bay South Clean Rooms start (June 11)
    - ✓ High Bay Major Demolition start (June 25)
      - Test Cave & VTA Limited Use (25 June – **10 Sept**)
  - CMTF down (2 July to **14 Sept**)
    - Hall D Solenoid Cooldown (mid Nov)

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

- ▶ **12GeV Accelerator – Beam Transport**
  - Complete S/R removal
  - S/R & EArc 1&3 magnet refurb continues
  - Complete WArc Rough Alignment (by mid Aug)
  - Complete ER stand installation (by mid Sept)
  - OL/OR dipole and girder installation & alignment (by end of Oct)
  - HA&HB beamline dipole and girders removed (by end of Oct)
  - Continue Arcs 1 & 3 disconnects, magnets & girders removal, magnet refurb (by Jan 2013)
- ▶ **12GeV Accelerator – CM, Power, I&C, Safety Sys, & Cryo**
  - Linac Transfer Line Mods (Aug to Sept)
  - Hall D CHL Transfer Line & Header Work – solenoid dist can/header, transfer line (June through Nov)
  - Complete Box Supply & Shunt Shuffles (by end of Oct & Sept)
  - PSS Linac Upgrades (by early Dec)

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

## ▶ Acc Ops

- Various maint work
- Dummy CM removal (by end of Aug)
- CM Shuffle – R100 installation, 0L04 installation (by early Sept)
- Transfer Line Alignment (by mid Oct)

## ▶ Conventional Facilities (FM&L)

- CHL#1 Cooling Tower Headers & Setting Tower (Aug to end of Nov)
- 40MVA to 22MVA tie line outage (18 Aug) & construction complete (by end of Sept)
- Counting House Renovation construction starts (mid Aug)
- Tunnel Penetration Repairs (waveguide, sl area, injector, HC truck ramp) (Aug to end of Dec)
- B68 extension contract award (by end of Oct)
- MCC HVAC/Roof contract award to material orders (Oct to mid Nov)

## ▶ FEL

- Admiral cavity processing/qualification (mid Aug to mid Nov)

## ▶ ESH&Q

Dosimetry Changeout complete (by end of Aug)

RAM Inventory complete (by end of Aug)

RadWaste Shipment complete (by mid Sept)

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

## ▶ Hall A

- Complete G2P removal – upside down girder (by early Aug)
- Installation of upstream beam girder continues
- Moeller Work continues
- Cryogenic work continues

## ▶ Hall B

- Cable removal continues
- Complete Cerenkov Counters (end of Aug)
- Complete FTOF removal (by mid Sept)
- Complete Split CLAS (by end Sept)
- Complete South Clamshell removal (by mid Oct)
- Start Torus removal (by mid Oct)
- Complete removal of CLAS drift chambers Region1 (by mid Oct) & Region3 (by early Nov)
- Complete Panel 2&3 TOF N&S Clamshell (by mid Nov)

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

## ▶ Hall C

- Beamline removal completed (by early Aug)
- Complete QWeak decommissioning and removal (by end of Aug)
- Complete Concrete Floor removal complete (by mid Sept)
- SHMS rail section installation & alignment (mid Oct to mid Nov)
- Complete removal of SOS Dipole, shield hut, steel structure (by mid Nov)
- Start C-Can and platform removal (mid Nov)

## ▶ 12GeV Hall D

- Fiducialize Quad magnet (early Aug)
- Counting house rack installation (mid Aug)
- Complete collimator shielding (by end of Aug)
- Hall electrical power infrastructure (end of Aug to end of Sept)
- Tagger, Goniometer, stands (survey) (early Aug to end of Oct)
- Solenoid platform installation (end of Aug to mid Oct)
- FCAL detector housing infrastructure (by mid Sept)
- PS Magnet fiducialization & initial alignment (by end of Sept)
- BCAL (light guides, rails) (start early Oct)

# Baseline & Progress

- ▶ Baseline achieved as of 11 May 2012 (12GeV activities are as of end of April 2012).
- ▶ Progress as of end of July completed 8 Aug 2012
  - Activities that did not start as planned & didn't have an updated start date provided → default to first working day of Aug 2012
  - All files posted to web
- ▶ **Schedule/Resource/Critical Path Analysis posted – Let's review**
- ▶ **Note: stick around for K. Krug presentation of another view of progress**



# Schedule & Resource Analysis

- ▶ See spreadsheet on website for full details
- ▶ **Schedule Issues:**
  - Test Lab VTA Off Line– Now until September 14th.
  - 1.3.3 Cryogenics – Cooldown for solenoid is behind schedule with respect to Nov deadline
  - Halls have delays by two to three weeks – but has float
- ▶ **Resource Issues:**
  - None

# Critical Path (22 days float or less)

- ▶ From July 2012 Progress. File posted to website
- ▶ Analysis is included as a separate tab in the schedule/resource progress analysis spreadsheet
  
- ▶ **1.20M.2.2 CHL Milestones/Outages**  
1 day float. Relative to 1.26 CHL cooling towers header to start of transfer line maintenance work.
  
- ▶ **1.3.3.2.1 CHL Hall D Transfer Line and Header**  
(20 days & 5 days float). Fabrication & Installation of cryogenics transfer line & can for solenoid. Relative to Start Hall D cooldown (15 Nov 2012)
  
- ▶ **1.23.1.2 Cryomodule Shuffle** (S. Suhring)  
2L21 recommission 0L04. 16 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
  
- ▶ **1.3.1.4 Checkout/Commissioning Cryomodules** (J. Hogan/L. Harwood)  
16 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 next progress. Plans are to install CM#3 mid August. All subsequent installations/commissioning to be updated.\*\*\*.

# Upcoming NTF/Change Requests

- ✓ Transfer Line Alignment during warmup (W. Oren/S. Suhring) – Approved at 1 Aug CCB and implemented in July Progress
  
- 1. NEW – FEL MSINST support needed (B. Legg) – started discussions 6 aug. Needs support for vacuum (fast valve work & viewer), crane & crew for p.s. installation, darklight exp hardware removal. Work to start in a few months.  
Status?
  
- 2. 12GeV Hall C Schedule Implementation (H. Fenker/G. Young) – Aug Review – 29 Aug 2:00–3:30pm CCF324–325
  
- 3. 12GeV CR for ODH requirements NLinac/Tagger (L. Harwood/M. Spata) – page one submitted to 12GeV project and analysis being done by engineering.
  
- 4. 12 GeV ACC RF Circulator Swaps (L. Harwood) – (From Wed 1330 6<sup>th</sup> 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