

3 MONTH LOOK AHEAD & LONG SHUTDOWN SCHEDULE STATUS

25 October 2012

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**COUNTDOWN TO LSD RE-BASELINE
MONT REVIEW:**

23 days (to 16 Nov 2012)

- ◎ Progress & Files
- ◎ 3 Month Look Ahead
- ◎ Change Request List
- ◎ Re-Baseline Laundry List

PROGRESS

- ⦿ Progress as of end of September completed and posted to the website.
 - Activities that did not start as planned & didn't have an updated start date provided → default to first working day of Oct 2012
 - Let's review the analysis spreadsheet for CP, Schedule, Resources
- ⦿ Oct progress sheets will be sent to PMs on 30 Oct and due back to PMI by 2 Nov.
 - 12GeV progress is planned for completion 7 Nov to get info ready for review on the 16th

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
- Earned Value (EV) Resource Charts → now posted for Sept progress
 - Note: Aug data point on the charts is incorrect. Will be corrected for Oct Progress charts
- Change Request Folder
 - CR Page One template & example
 - CR Log

3 MONTH LOOK AHEAD

- ◎ 3 month look ahead report available:
 - <https://www.jlab.org/TLSD/SCHEDULES/>
- ◎ Information from (end of) September 2012 progress schedule has been posted.
- ◎ Major Milestones & Outages:
 - **PSS Certs NL/Inj complete (mid Dec)**
 - **Test Lab**
 - Test Cave/VTA limited use complete (FML milestone) (1 Oct)
 - CTF start of cooldown (mid Oct → now Oct 29)
 - Cryomodule start of cooldown (29 Oct → now Nov 5)
 - VTA start of cooldown (29 Oct → now Nov 5)
 - **CHL/Cooldown**
 - CHL maintenance complete (30 Nov)
 - N/S Linac cooldown (2K) start (**early Jan**)
 - Hall D Solenoid Cooldown (**mid Dec**)

3 MONTH LOOK AHEAD - MAJOR ACTIVITIES

◎ 12GeV Accelerator - Beam Transport

- ES refurb (by early Dec), Extraction refurb (by end Nov), Hall magnets refurb (by early Jan)
- WS stand installation (mid Nov) & WR stands (early Dec) & extraction stands (by early Jan).
- Tunnel Green door/movable wall (by early Nov)
- OL/OR dipole work (by mid Nov)
- HA, HB, HC beamline dipole and girders removed (by end of Nov)
- TR stand delivery (mid Dec). TR removal & refurb ongoing (by early March)
- HD beamline pedestals (by early Jan)

◎ 12GeV Accelerator - CM, Power, I&C, Safety Sys, & Cryo

- CMTF #6 (end of Oct - mid Dec) & #8 (mid Dec - early Feb)
- Linac Transfer Line Mods (Aug to end of Oct)
- Hall D CHL Transfer Line & Header Work - solenoid dist can/header, transfer line (June through Nov)
- HDR piping (by mid Oct)
- Complete Box Supply, Shunt Shuffles, Trim Rack Installation (by end of Oct)
- RF system tests (by mid Dec)
- PSS Linac Upgrades (by early Dec)
- Cable tray to Hall D (Dec -Feb → being done now)

3 MONTH LOOK AHEAD - MAJOR ACTIVITIES

◎ Acc Ops

- Various maint work
- CM Shuffle: interference reinstallation (by early Nov)
- Transfer Line Alignment (by mid Nov)

◎ Conventional Facilities (FM&L)

- Counting House Renovation mobilization (mid Oct)
- CHL#1 Cooling Tower Headers & Setting Tower - flow water (by mid Nov)
- Tunnel Penetration Repairs (HC Truck Ramp, Injector, sl area) (Oct to Jan)
- B68 extension contract award (by end of Nov)
- MCC HVAC/Roof contract award to material orders (Oct to mid Nov)

◎ FEL

- Maintenance repairs & ring resonator support → preparation for running (by early Jan)
- Admiral cavity processing/qualification (Sept to Dec) → delayed

◎ ESH&Q

- RadWaste Shipment complete (by end Nov)

3 MONTH LOOK AHEAD - MAJOR ACTIVITIES

● Hall A

- Upside down girder final alignment (early Oct)
- Upstream beam girder 2B alignment (mid Oct)
- S&A compton polarimeter dipole #2& #3 (mid Oct)
- Compton polarimeter beam line survey (mid Dec)
- Compton polarimeter detector installation (early Dec)
- Moeller quad alignment on supports (mid Oct); beam line alignment (end of Oct) → on hold ?
- Cryogenic work continues

● Hall B

- Cable removal continues (cables wet from flood & need to dry/retest)
- Panel 2 & 3 TOF removal (Sept/Oct) → delayed to Oct/Jan
- Remove South Clamshell (early Nov)
- R3 DC removal (by mid Nov)
- R2 DC removal (early Dec)
- Start Torus removal (Dec)
- Space Frame (mid March)

3 MONTH LOOK AHEAD - MAJOR ACTIVITIES

○ Hall C

- QWeak (coils for QTOR magnet left) removed (end of Oct)
- SOS dipole removed (end of Oct)
- Complete Concrete Floor removal complete (by mid Nov)
- SOS lead panels removed (early Nov)
- SOS steel structure/doors (before X-mas)
- SHMS rail section installation (mid Dec to mid Jan)

○ 12GeV Hall D

- Fiducialize Quad magnet (early Oct)
- Fiducialize PS magnet (early Oct)
- Fiducialize FDC detector (mid Oct)
- Cooldown solenoid (by Mid Dec)
- FCAL detector housing infrastructure (by mid Dec)
- Tagger, stands locations (survey) (mid Dec)
- Goniometer stands (early Oct)
- BCAL (light guides, rails) (start early Oct → will be delayed)

UPCOMING NTF/CHANGE REQUESTS

1. FEL CR approved at CCB 19th Oct & will be implemented in end of Oct progress.
2. CM Re-Commissioning, He Processing, and associated RF (M. Drury/B. Merz) - draft plan being worked. Commissioning CMs planned to start after cooldown in Jan 2013.
3. 12GeV Hall C Schedule Implementation (H. Fenker/G. Young) - Oct Review held - 17 Oct. Action items being worked. Need changes to Pat by 29 Oct. Please update Dianne on progress of action items.
4. 12GeV Hall B Schedule Implementation (Latifa/G. Young) - Nov 14th Review scheduled. (2pm CCF224). Schedule/resource information to be sent to review team Nov 7th.
5. 12 GeV ACC RF Circulator Swaps (L. Harwood) - pending funding, scope being reviewed

RE-BASELINE LAUNDRY LIST

◎ Existing Scope Schedule Changes:

- 12GeV Accelerator Beam Transport
- 6GeV Accelerator Maintenance
- 0L04 Project (RF) - D. Seidman/S. Suhring
- CMTF/VTA
- 12GeV Hall B installation hooks to 6GeV de-installation
- FEL Admiral Schedule
- All PMs to update start/finish dates. Activities riding the data date (ie - supposed to start, didn't start, date defaulting to progress collection date).

◎ New Scope:

- 12GeV Hall C Installation Schedule - Fenker/W. Akers
- CM Re-commissioning plan & RF maintenance/repair
- Flood recovery?
- Dogleg Upgrade Project - D. Napier
- 11GeV Separator - E. Akers/M. Spata
- 12GeV Hall B Installation Schedule - Latifa/W. Akers
- Hall C Beamline/Dump - W. Kellner/W. Akers
- AWP system list of scope?

RE-BASELINE INFORMATION (BACK UP)

RE-BASELINE EFFORT

- ⦿ Schedule review of end of Oct progress to April 2013. Relative to end of down & CD milestones.
- ⦿ Response to recommendations from May Review
- ⦿ Progress as of end of Oct (spreadsheet/EV data), CP & plan, resources analysis.
- ⦿ Present what needs to be fixed/added before X-mas, LSD CRs/NTFs, 12GeV CRs
- ⦿ Risk registry & known issues (CMTF/VTA and impacts, etc)
- ⦿ Safety

RE-BASELINE TIMELINE

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|-------------------------------|--------------------------------------|---|---|---|----------|
| 21 | 22 | 23 | 24 | 25 Start of LSD RE-baseline Plan at Thursday meeting | 26 | 27 |
| 28 | 29 | 30 LSD Progress sheets out to PMs | 31 | 1 - November Laundry list feedback from PMs due to Dianne/Fulvia 12GEV progress collected | 2 LSD Progress sheets due to PMI 12GEV progress collected | 3 |
| 4 | 5 12GeV progress collected | 6 | 7 12GeV progress information to Pat | 8 | 9 LSD progress done (all charts, files, etc) | 10 |
| 11 | 12 Risk registry update | 13 | 14 12GeV Hall B installation plan review ?? dry run | 15 pre-brief info to review panel | 16 MONT REVIEW | 17 |