Long Shutdown Schedule Development Status

22 March 2012
Dianne Napier
Pat Collins/Heidi Derby

COUNTDOWN TO START OF DOWN:58 days = 1.9 months

- Project Manager Responsibility
- Schedule Requirements
- Access to Schedules
- Overall Timeline to Baseline
- Outstanding Action Items

Project Manager Responsibility

- Overall Schedule Integration
- 6 GeV Physics
- 12 GeV Physics
 - Hall A
 - * Hall B
 - Hall C
 - Hall D
- 6 GeV Accelerator
- 12 GeV Accelerator
- FEL
- Facilities (FML)
- ES&H

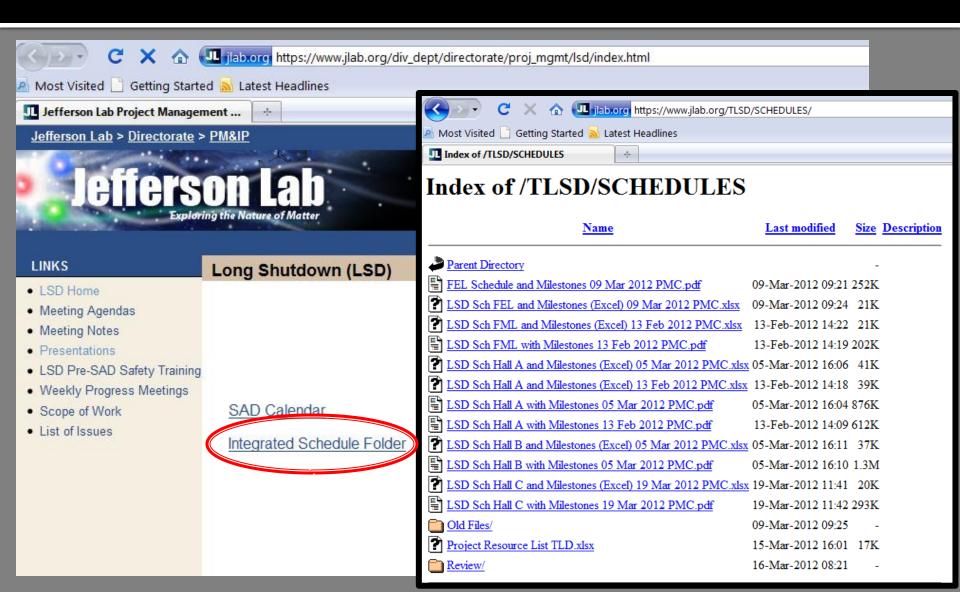
- Dianne Napier
- Walt Akers
- Glenn Young
- John LeRose
- Latifa Elouadrhiri
- Howard Fenker
- Eugene Chudakov
- Steve Suhring
- Leigh Harwood
- Bob Legg
- Bob Sperlazza
- Dick Owen, Keith Welch

Schedule Requirements

Activity I	D	Activity Name	Start	Finish	Orig Dur	Predecessors	Successors	Resource IDs	PROJ ABBREV
	124152020	Disconnect Power on #3 Dipole	01-Oct-12 08:00	01-Oct-12 16:00	1.0d	124152015	124152025	DC ELEC TECH	_

- Activity Name: A clear and concise description
- Start: Date to start the activity
- Finish: Date to complete the activity
- Duration: Length of time to perform the activity
- Predecessor: The preceding activity
- Successor: The following activity
- Resource IDs: Choose from the detailed list provided
- Project Abbrev: Funding code, "Funded", "Not Funded"

Schedule Snapshots



Overall Timeline to Baseline

Develop WBS Framework – Jan '12

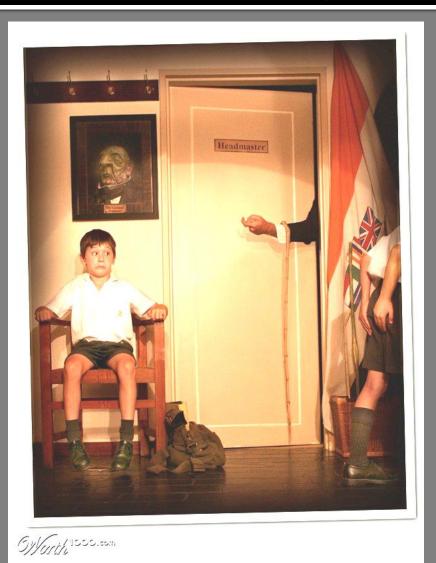
 Schedule Validation Process – Mid Feb to End of March '12 (need all revisions by March 27th)

Resource Leveling Process
 Early April '12

Baseline & Start of Change
 Control Process –
 End of April '12



Schedule Validation Reviews Outstanding Actions



Hall A16 Feb

•FML 28 Feb

Hall B9 March

•FEL 14 March

Hall D20 March

Hall C21 March

Upcoming Reviews

PEPPo & Acc23 March

12GeV Acc28 March

Hall A (Revised Schedule done 9 March)

- 1. Compton design "mini-review" (Ed Folts)
 - Compton can fiducialization
 - Compton alignment task (beamline) adjustments
 - Compton BPM special can (I&C review)

FML (Revised Schedule done 7 March)

- Tunnel Dehumidifier replacements locations & durations (possible beamline impacts for some locations).
 (B. Sperlazza)
- 2. Tunnel penetration repair location/WG prototype & duration. (B. Sperlazza)

Hall B (Revised Schedule sent 19 March)

- Identify Hot work permit needs (D. Tilles/Pat Collins)
- Add safety system group (SSG) work (D. Tilles/K. Mahoney)
- 3. Call out Jan 2013 survey network work in the schedule (line item). (D. Tilles)
- 4. Add electrical techs for the cable removal. (D. Tilles)
- 5. Add RadCon resources (D. Tilles/K. Welch)
- 6. Remove 12GeV items (D. Tilles/W. Akers)

FEL (Revised Schedule NOT sent)

- 1. Add activity for FL02 U-tubes work and transfer line maintenance (B. Legg)
- 2. Update Admiral installation & commissioning (B. Legg/P. Collins)
- 3. Add SRF/other resources to Admiral rebuild plan (M. Drury/B. Legg)
- 4. Remove VUV work section (1.27.3) (P. Collins)
- 5. Change BL hours from 32 to 40 hours on activity 1274000 for mech tech resources. (P. Collins)
- 6. Update FL02 CM removal (M. Drury/B. Legg)

FEL

(Revised Schedule NOT sent)

- 7. Add mech tech (vac & inst) resources to Activity 1275004: remove 8 quads, stands, viewers, BPMs from 4F and 3F (N. Wilson/B. Legg)
- 8. Add mech tech resources to 1275010: Install 6 quads...(N. Wilson/B. Legg)
- 9. Dark Light Breakout group needed for the following (G. Biallas, C. Curtis, N. Wilson, J. Heckman, J. Coleman, R. Lauze/S. Wood, K. Baggett)
 - a. Break down quad work.
 - b. EESDC support (trim 2 support).
 - Break out resources in smaller chunks.
 - d. Re-work 1.27.7.5 reinstall beamlines section

FEL

(Revised Schedule NOT sent)

- 10. Add mech techs for Activity 1275065 Install Happex Girder in 6F. (N. Wilson/B. Legg)
- 11. Activity 1275070 (fix hours) 1275071 (add mech tech resources). (B. Legg/N. Wilson)
- 12. Implement S&A estimates. (B. Legg/C. Curtis)
- 13. Add software resources for activity 1275080. (B. Legg/M. Bickley)
- 14. Add "remove dark light" and restore beam lines for IR ops. (B. Legg)
- 15. Add cooldown of FEL after warmup of CHL1 (including CM maint, Ins Vac Spaces). (B. Legg/J. Heckman/M. Drury)

FEL

(Revised Schedule NOT sent)

- 16. Admiral waveguides done beforehand? (C. Curtis)
- 17. Add fiducialization in cave (B. Legg/C. Curtis)
- 18. Remove warm CM to 300K (activity 12771020) (B. Legg)
- 19. Add logic for 4K trip at beginning of the down. (B. Legg)
- 20. Add Admiral warm region girder mod (B. Legg/N. Wilson)
- 21. RadCon review (B. Legg/K. Welch)
- 22. Breakout activity 12772035 and review resource assignments/hours. (B. Legg/R. Lauze)
- 23. Activity 12775025 reinstall block/dam to be linked with admiral installation (activity 12772000) (B. Legg/P. Collins)

Hall D (Revision in Process)

- 1. Validate Survey & Alignment estimates/durations throughout the schedule. (T. Carstens/C. Curtis)
- 2. Add fiducializations throughout schedule (T. Carstens/C. Curtis)
- 3. Add alignment of tagger stands (T. Carstens/C. Curtis)
- 4. Add Control network surveys (in Hall & Tagger to Hall D)(T. Carstens/C. Curtis)
- 5. Coordinate power outages. (T. Carstens/B. Merz)
- 6. Break out explicitly non-Hall D labor. (P. Collins/H. Derby)
- 7. Correctly bound the schedule for float calculations. (T. Carstens, T. Whitlatch, P. Collins)

Hall D (Revision in Process)

- 8. Remove all cryo labor but not activities. (T. Carstens)
- 9. Remove mech vac tech labor from activities 26, 50, 52, 55 though 58, and 60. (T. Carstens)
- 10. Identify FML labor & activity 29 from elec tech to FML.(T. Carstens)
- 11. Coordinate beam dump activities. (T. Carstens, L. Harwood, T. Whitlatch)

Hall C (Revision in Process)

- 1. Cryo support for QWeak target test. (W. Akers/M. Wright)
- Beamline removal & disconnects (W. Kellner, R. Lauze, O. Garza, J. Heckman, N. Wilson)
- 3. Beamline removal tasks to be added. (W. Kellner/W. Akers)
- 4. PSS pull back (Ion chambers on beamline, run safe boxes) to be added. (W. Kellner/K. Mahoney)
- 5. Change #124340110 and #12434025 to EES electricians (not elected). (W. Kellner/W. Akers)
- 6. Cryo support for HMS reconfig (activity 12435000) and HMS cooldown (activity 12435025). (W. Kellner/M. Wright/G. Smith)
- Check S&A resources/durations for SHMS Rail installation (this is a 12GeV activity) #12431105). (W. Kellner/C. Curtis)
- 8. Alignment network update (W. Kellner/C. Curtis)

