

LSD Bi-Weekly Resource Planning Meeting Agenda

17 October 2012

- Glance Back / 2-Week Look Ahead / Change-Control Board (CCB) Report (10 min) – F. Pilat
- Safety Report (5 min) – M. Logue
- Special Topic (5 min) – Test Lab FML/SRF Update (B. Sperlazza)
- Key Service Provider & Project Lead Reports (25 min)
 - 12GeV Accelerator – L. Harwood
 - S&A – C. Curtis
 - Safety Systems – K. Mahoney
 - Halls – W. Akers
- Meeting Recap / Parting Shots (5 min) – F. Pilat

Glance back and look ahead

Fulvia Pilat

LSD Resource Planning Meeting

October 17, 2012

Progress in specific areas will be addressed in the **following presentations** at this meeting.

My LSD focus in the last ~2 weeks:

- **Cryogenics schedule** and plans for cool-down (January)
- **RECO delays of CTF, VTA, CMTF** → impacting WFO and almost on critical path to impact 12 GeV work
- “converging deadlines” for the **PSS system** work

- Good progress in **alignment**
- Good progress in **installation**
- Good progress in **CM maintenance** (North linac and injector done, FEL in progress, South linac following. A plan for cryomodule RECO has been submitted to LSD)

Progress & Change Requests

- Progress as of end of September collected.
- Schedule progress delayed (because of 12 GeV Project CR's)

LSD schedule progress: **This week**

1. IN PROGRESS but NOT APPROVED – FEL new scope (B. Legg) – Updated schedule details being finalized. **CCB meeting this Friday** to review.
2. 12GeV Hall C Schedule Implementation (H. Fenker/G. Young) – **This morning – October 17.**
3. 12GeV Hall B Schedule Implementation (L.Eluhadriri/G. Young) – **Review – November 14**
4. 12 GeV ACC RF Circulator Swaps (L. Harwood) - (From Wed 1330 6th June Mtg & pending funding, scope being reviewed)

Open issues, action items

- **TLA operational. Joe Preble**
- **RECO CTF, VTA, CMTF. Evelyn Akers**
 - CMTF not available January 3 → impact C100
 - VTA not available mid November → impact F100

WFO already impacted, close to impacting 12 GeV schedule
- Overall **cool-down** plan .**Will Oren**
- **PSS systems** plans and priorities. **Kelly Mahoney. Today.**
- **RF systems** maintenance and RECO. **Bill Merz. Plan in progress**
- **Hall C and B** plans and schedules. **W. Akers**

Hall C today. Hall B November 14.
- LSD Re-baseline (November). **F. Pilat Director Review**

November 16 . Preparation: Thursday meeting October 25

Update cryogenics (Will)

- still lagging on the **CHL' s cold X-connects** so the cool-down can't happen until January, the fabrication part along with parts delivery are the hold up.

(this hasn't changed anything we are doing - it's still full speed ahead on this)

- The **maintenance** part of the cryo work is also holding schedule.
- We did get 2 more **welders** in this week and they are in the testing phase. We are still seeking a 3rd welder.



== Good Day!



== First Aid Injury
*Click on symbol in calendar for details



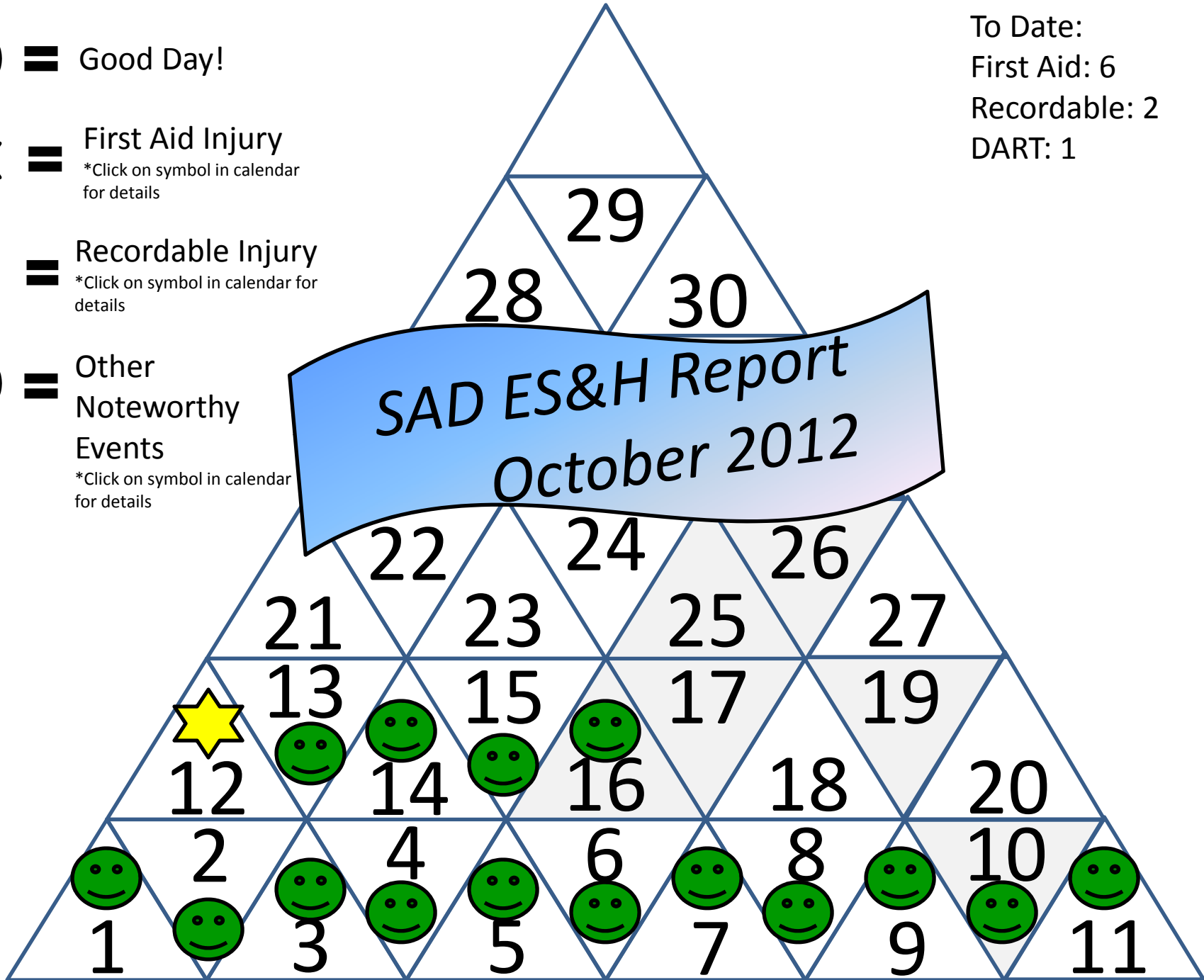
== Recordable Injury
*Click on symbol in calendar for details




== Other Noteworthy Events
*Click on symbol in calendar for details

To Date:
First Aid: 6
Recordable: 2
DART: 1

SAD ES&H Report October 2012



September 2012 Events

	Date	Location	Event
	10/12/12	SAB	While moving a flammable locker, the locker shifted causing employee to scrape left hand on the stake body truck

BACK-UP SLIDES

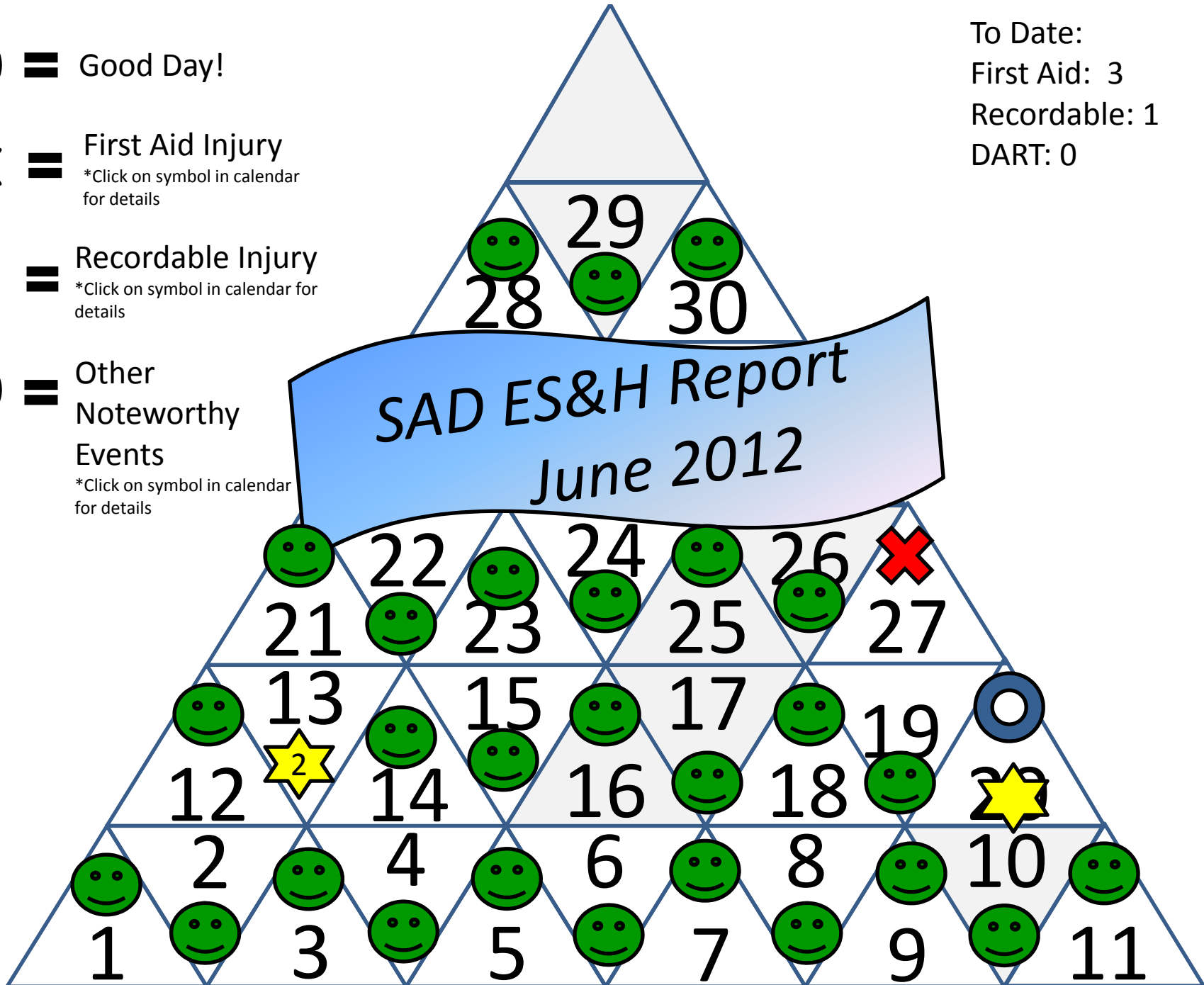
 = Good Day!

 = First Aid Injury
*Click on symbol in calendar for details






 = Recordable Injury
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 = Other Noteworthy Events
*Click on symbol in calendar for details


To Date:
First Aid: 3
Recordable: 1
DART: 0



June 2012 Events


	Date	Location	Event
	06/13/2012	Experimental Staging Building	Employee stated "While assisting with lowering a load, I adjusted the wooden cribbing for the load and received a splinter in my finger." Employee was diagnosed with a splinter to right index finger.
	6/13/2012	Hall B	Employee reported frequent use of wire cutters has caused hand discomfort.
	06/27/2012	CHL 2	Employee was installing a standard chain wheel kit on one of the transfer lines behind Building 8. As he was removing a bolt, the bolt broke, causing the ratchet to slip and hit the contractor in his tooth. The contractor's right incisor was chipped.
	06/20/2012	Building 36	An unauthorized 208 volt, 30 Amp 4 wire cable with a male plug at one end and exposed wires (pigtail) at the other end, had been left plugged into a de-energized power source on the evening of June 19, 2012. Lock Tag & Try was not applied to power source before leaving for the evening. At approximately 10:00 am the following morning, an operator turned on the power supply, and the exposed wires arced and shorted, opening the breaker to the power supply and the electrical panel that fed it.
	06/20/2012	East ARC 2 Service Building #	Employee called to report that they were stung on his right elbow by a wasp. No treatment rendered and the employee returned to work regular duty.

July 2012 Events

	Date	Location	Event
	7/11/12	Hall D	Two workers were drilling through a compressor test stand. They discovered a sheet of lead between 2 layers of insulation. Work was immediately stopped and IH contacted. No uptake of lead occurred,

 = Good Day!

 = First Aid Injury
*Click on symbol in calendar for details




 = Recordable Injury
*Click on symbol in calendar for details

 = Other Noteworthy Events
*Click on symbol in calendar for details

To Date:
First Aid: 4
Recordable: 2
DART: 1



August 2012 Events

	Date	Location	Event
	08/09/2012	Hall B	During a site visit to Hall B, 2 employees and 3 contractors entered a radiologically controlled area without dosimetry. This violated our policy and procedure and the event is currently under investigation.
	08/16/2012	CHL #2	Employee brushed against a pipe that had a sharp burr on it. The employee was diagnosed with superficial laceration to right arm. The area was cleansed and a over the counter antibiotic ointment and band-aid was applied. The employee returned to regular duty.
	08/24/2012	Hall C	An employee was injured while assisting with moving a concrete piece in Hall C (SOS Shield house). The employee completed the move when they stepped backwards and lost their footing causing their left ankle to roll. The employee was sent off-site for a further evaluation and was diagnosed with a left ankle sprain, given a prescription, and placed on restrictions until cleared by a physician for regular duty.



== Good Day!



== First Aid Injury
*Click on symbol in calendar for details



== Recordable Injury
*Click on symbol in calendar for details




== Other Noteworthy Events
*Click on symbol in calendar for details

To Date:
First Aid: 5
Recordable: 2
DART: 1

SAD ES&H Report September 2012



September 2012 Events

	Date	Location	Event
	09/27/12	South Linac	While moving particle boards, employee pinched his left index finger, resulting in superficial laceration.

Test Lab Overview

October 17, 2012

Test Lab Overview

- Overview of Construction Schedule
 - Critical Path
 - Sheer wall construction
 - Clean Rooms
 - Schedule
 - Sheer wall is a little behind but the subcontractor is working to catch-up
 - New Roof is scheduled to complete by the end of October
 - VTA area – working with subcontractor to complete by the end of the year – (contracted to complete Feb'13)
 - Construction is on-track to complete May 2013

Test Lab Overview

- Current Status for Re-starting SRF Operations
 - SRF has started checkout of systems – Repairs where necessary
 - SRF Conduct of Operations (COO) has not been signed
 - Mortenson approval and training prior to re-start
 - Mortenson will need to approve the COO
 - Construction subcontractor training is required to cover SRF operations/hazards (ie. ODH, GERT)

Other Updates

- Renovation of MCC

- Site visit was last week, bids due to JLab by end of October
- Estimated Completion March/April 2013

- Renovation Bldg 87

- Scope of the project is being established – HPSB upgrades
- Renovation to occur after bldg 85 personnel return back to the MCC

- Building 68 Extension

- Project was awarded first week in Oct
- Subcontractor mobilization to occur end of Oct
- Estimated Completion May 2013

- Repair of Tunnel Penetration Leaks

- 8 of 10 have been repaired
- Injector Area and one in the North Linac are still to be done
- 6 more have been identified – will add these to the contract once I receive funding

- CHL #1 cooling Tower Replacement

- Project was awarded first week in Oct

Other Updates

•CHL #1 cooling Tower Replacement

- Project is 50% complete
- On schedule to flow water to CHL – end of Nov
- On track to complete by end of Jan 2013

• Test Lab Roof Replacement

- Contract was awarded first of Oct
- Roof Replacement has started upper roof first
- Lower roof areas (North Annex and Office) after Mortenson releases the roof
- Estimated completion date – Nov 2012

• Building 92 Roof Replacement

- Contract was awarded first of Oct
- Estimated completion date – Nov 2012

Shutdown Work Summary

Organization: 12 GeV Accelerator

Name: Harwood

System	Tasks
Cryomodules	C100-9 and C100-10 on assembly rails; C100-6 & C100-8 ready for CMTF
Power	Cabling continues. Working shunts
Cryogenics	CHL2: Vendors done. Personnel shifted to HDR TL: Ready for cryomodule installation HDR: Continue fab and install; solenoid can installed, using OT; piping going into tunnel
Beam Transport	HD "green door": ~2/3 complete ER girders in and dipoles going in; TR girders coming out; WR floor/ceiling plates being aligned; ES stands being aligned; WS floor/ceiling plates laid out, BCOMs coming out East arcs: vacuum pipes installed in south Girder rebuild ER Done, WS Done, OL/OR Done, WR (~75% complete), ES(~60% complete) OL/OR girders being aligned S/R dipole rework continues; substantially complete except for BCOMs; 1 st BCOM out of machine shop
I&C/Safety	Continued upgrade to NL PSS and ODH mod in NE corner. Continued fab of diagnostics; install of diagnostics ongoing

Work That Went Better Than Expected: BT ahead

Work That Went Slower Than Expected, Delays, and Issues: Cryo on hairy edge

Ongoing Shutdown Work

Upcoming Work (3-6 weeks from now) (green = no concerns; yellow = some concerns; red = serious concerns)

System	Tasks	Status			On Schedule ?	Comments/Concerns
Cryomodules	Test cm's maybe (CMTF?)	X	X	X	late	TEDF recovery problems
Power	Pull/terminate cables where possible	X	X	X	Y	
	Install tray to HD tagger	X	X	X		
	Continue RF zone installation	X	X	X	Y	
Cryogenics	Do connections for CHL2	X	X	X	Slightly behind	
	Continue fab and install of HDR	X	X	X	Tight!	Holding....barely
Beam Transport	Continue S/R work in all corners	X	X	X	ahead	
	Continue dipole and girder rework	X	X	X	Y	
	Complete HD tunnel shield wall	X	X	X	ahead	
	Complete extraction removal	X	X	X	ahead	
I&C/Safety	Continue upgrade to NL PSS & NE ODH	X	X	X	Y	Delaying to support TL work; Looks like tagger bldg may be ODH1
	Continue fab & install of diagnostics	X	X	X	Y	

Schedule Changes:

- Further BT adjustments to keep work centers busy
- CHL2 completion will be delayed because of shift of personnel to HDR and HDTL
- Likely delay of C100-3 commissioning due to delayed NL cooldown; last January start pushes completion to August
- C100-6 testing likely delayed to ~Dec 1
- Likely delay of NL PSS due to shift of resources to get TL systems up

Scope Changes:

- Circulator replacement (timing not certain)

Significant Problems Pending (delays, technical issues, resource issues, scheduling): Cryo; Cryomodules; PSS/ODH

Staffing Outlook: Short for Cryo work; could use additional in Safety Systems

Shutdown Work Summary

Organization: Alignment

Name: Chris Curtis

Date: 17 Oct, 2012

Last Two Weeks

Work That Went Better Than / As Expected:

- Hall B drift chamber surveys at ODU and in the EEL completed.
- Initial alignment of two C-100's in north linac.
- West spreader stand layout completed.
- East arc alignment for hookup continuing as time permits.
- QR quadrupole fiducialization started.
- Test Lab Addition granite pier re-alignment.
- Hall A Moller quad fiducialized; Hall C Moller quad coils "scanned".
- East spreader stands aligned.

Work That Went Slower Than Expected, Delays, and Issues:

- West arc alignment of "missed"/modified components completed.
- NW corner: bolt layout; 2R floor plates aligned; 0R/1L pedestals aligned; 0L/0R girders aligned.

Ongoing Shutdown Work

Upcoming Work (3-6 weeks from now) (green = no concerns; yellow = some concerns; red = serious concerns)

Project	Status	On Schedule?	Tasks	Comments/Concerns
12 GeV Linacs	x 	???	S. Linac final (2B) alignment	Three zones remain. Hoping to complete this week
12 GeV Arcs	x 	???	East arc initial (2A) alignment	Complete end of next week?
12 GeV S/R	x 	???	1R initial (2A) alignment	Fiducials are in house

Project	Status	On Schedule?	Tasks	Comments/Concerns
12 Gev	x	???	Bolt layout in Line D & Extractor	
12 Gev S/R	x	???	1S step 2A align	Available in Nov?
12 Gev S/R	x	???	2R stands	Available mid Nov?
Hall A	x	???	Moller / Compton alignment	Next few weeks, as parts are available
12 Gev Arcs	x	???	Final (2B) alignment in the arcs	When? Good to have a batch of work available.

New Work Requests Requiring Schedule Changes:

-

Significant Problems Pending (delays, technical issues, resource issues, scheduling):

- Schedule update?

Staffing Outlook:

- OK.

Shutdown Work Summary

Organization: EES/Safety Systems Group

Name: Kelly Mahoney

Date: 17 October, 2012

Last Two Weeks

Work That Went Better Than Expected:

- Hall D ODH System install working well
- North Linac PSS installation

Work That Went Slower Than Expected, Delays, and Issues:

- Test Lab PSS Recovery delays. Access to facility and equipment is on a day-to-day basis.

Upcoming Work (3-6 weeks from now) (green = no concerns; yellow = some concerns; red = serious concerns)

Project	Status	On Schedule?	Tasks	Comments/Concerns
Hall D/Tagger ODH	X 	Y	Complete Equipment Installation in Hall D. Start Hall D Tagger Ramp Install Start Tagger Vault Layout	Hall D Installation 85% complete.
Test Lab – CMTF	X 	N	Recover PSS and ODH Systems	Some PSS cable damage. Access an issue.
Test Lab – VTA	X 	N	Recover PSS. Upgrade Interlocks.	Design Complete. Access an issue.
North Linac PSS Upgrade	X 	N	Upgrade PSS; Incorporate Hall D transport line.	Schedule delay deliberate. Certification rescheduled for Jan '13. Upstairs work complete. Starting tunnel work.
MPS	X 	N	Order MPS components for Fy'14 startup.	Significant float. Not a critical path item.
Flood Recovery	X 		Continue assessment. Repair critical infrastructure. Cost estimates to Facilities.	Hall C ODH components on order.
FEL Support	X 	Y	Complete final functional certification.	Complete today.

New Work Requests Requiring Schedule Changes:

- Test Lab Recovery will postpone PSS certification until mid-January '13.
- HDIce facility upgrades will require extension of ODH system.
- FEL Support for new equipment and configurations scheduled for 3rdQ FY13.

Significant Problems Pending (delays, technical issues, resource issues, scheduling):

- Test Lab Recovery schedule delays running in to CEBAF 12GeV upgrade schedule. Decision to postpone CEBAF PSS certification to complete Test Lab recovery.
- Hall D Tagger Classified as ODH 1. Requires additional ODH monitoring.
- Need to assess MPS implications of Hall B operating at up to 5uA.

Staffing Outlook:

- SSG down two Engineer FTE. Thanks for support from Ops, EES Support, and SRF.

Shutdown Work Summary

Organization: Hall A

Name: Ed Folts

Date: 10/17/12

Last Two Weeks

Work That Went Better Than Expected:

Work That Went Slower Than Expected, Delays, and Issues:

- Moller installation due to late magnet
- Map Compton Dipole Additional work requested by Sirish Nanda

Ongoing Shutdown Work

Upcoming Work (3-6 weeks from now) (green = no concerns; yellow = some concerns; red = serious concerns)

Project	Status	On Schedule?	Tasks	Comments/Concerns
Moller Polarimeter quadripole	X 	no	map, install, align, test	Being mapped (user scope creep)
Upside down girder	X 	no	Ready for magnet connections & alignment	This is a filler job
Compton laser table work	X 	yes	Raise laser table for 12Gev beam	Proceeding (user scope creep)
Map Compton magnet	X 	Unscheduled work (Nanda)	Map #3 Compton dipole	Need power supply reinstalled for mapping

New Work Requests Requiring Schedule Changes:

- none

Significant Problems Pending (delays, technical issues, resource issues, scheduling):

- Moller Polarimeter magnet delivery

Shutdown Work Summary

Organization: Hall B

Name: Doug Tilles

Date: 10-17-12

Last Two Weeks

Work That Went Better Than Expected:

- Cable Removal

Work That Went Slower Than Expected, Delays, and Issues:

- Removal of Panel 2&3 TOF **On going**

Ongoing Shutdown Work

Upcoming Work (3-6 weeks from now) (**green** = no concerns; **yellow** = some concerns; **red** = serious concerns)

Project	Status	On Schedule?	Tasks	Comments/Concerns
TOF removal	x		New base line	
South-clam removal	x		New base line	
Torus removal	x		New base line	

New Work Requests Requiring Schedule Changes:

- Fire protection changes due to Rack placement

Significant Problems Pending (delays, technical issues, resource issues, scheduling):

- TEDF setup for HTCC cleanroom Behind schedule
- Laser transfer to EEL for 12 GeV Behind schedule

Shutdown Work Summary

Organization: Hall C

Name: Walter Kellner

Date: 10-17-12

Last Two Weeks

Work That Went Better Than Expected:

Work That Went Slower Than Expected, Delays, and Issues:

Ongoing Shutdown Work

Upcoming Work (3-6 weeks from now) (green = no concerns; yellow = some concerns; red = serious concerns)

Project	Status	On Schedule?	Tasks	Comments/Concerns
6Gev	x green yellow red	y	Cutting and removing concrete sections from the HKS 9" pad	Continuing
6Gev	x green yellow red	y	Removing lead shielding panels from the SOS shield hut	80% complete
6Gev	x green yellow red	y	Installing support frames onto the SOS wheel assemblies in preparation for removal in January	

New Work Requests Requiring Schedule Changes:

Significant Problems Pending (delays, technical issues, resource issues, scheduling):

Staffing Outlook:

Shutdown Work Summary

Organization: Hall D

Name: Tom Carstens

Date: October 15, 2012

Last Two Weeks

Upcoming Work (3-6 weeks from now) (green = no concerns; yellow = some concerns; red = serious concerns)

Project	Status	Tasks	Comments/Concerns
Connect Distribution Can to Solenoid Magnet	X	<ol style="list-style-type: none"> 1. Connect Current leads 2. Fab/test/install internal Lhe/LN2 piping 3. Assemble Solenoid Vacuum Panel 4. Install/connect/test sensor wiring 5. Fab/insulate/ install 80K shields 6. Install vacuum components 7. Pump down/leak piping and vacuum spaces 	Tasks are on-going. Since much of the work is fab/assembly to match coils to box 8 weeks "best case" estimate.
Hall infrastructure needed for cool down	X	<ol style="list-style-type: none"> 1. Install Cable trays for power leads and magnet/cro control cabling 2. Assist Cryo's installation of transfer line. 3. Set up Cool-down and magnet test area in Hall 	Item 1 is started
Install LCW piping system in Tagger Hall (Bldg 204)	X		Lack of man power (All manpower will be used to get Solenoid ready for cool-down). No effect to overall schedule

Project	Status	Tasks	Comments/Concerns
Install BCAL rails in bore of Solenoid	X		Delayed until Solenoid cool-down started. No effect to overall schedule
Assemble tagger magnet gantry crane	X		
Install Pair Spectrometer Magnet onto platform	X	90 days behind, mounting hardware on order	No effect to overall schedule
Start of gluing/testing BCAL light guides (3840 total)	X	120 days behind scheduled start date	Delivery of light guides delayed start. Modified fixturing still untested meaning 12 weeks installation time is "best guess". Limited effect to overall schedule

New Work Requests Requiring Schedule Changes:

- None

Significant Problems Pending (delays, technical issues, resource issues, scheduling):

- Because maximum effort will be to complete the Cryo Distribution Can and transfer line installation by Dec 15th, (two shifts until task is completed and cool down of the Solenoid starts) most of the other work will be delayed until this is complete.

Staffing Outlook:

- Marginal to meet short term (Now until Dec 15th) "published" schedule.