

LSD Bi-Weekly Resource Planning Meeting Agenda

8 August 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) – FML Projects Status– B. Sperlazza
- Key Service Provider & Project Lead Reports (25 min)
 - 12GeV Beam Transport – M. Bevins
 - S&A – C. Curtis
 - Electricians – E. Stallworth/B. Shinault
 - Halls – W. Akers
- Meeting Recap / Parting Shots (5 min) – F. Pilat

Look back and glance ahead

Fulvia Pilat

LSD Resource Meeting

August 8, 2012

Glance back

- **FEL** run ended July 31. Cryomodule testing ended a few days ahead.
- **CHL-1 and linacs warm-up** started August 1st. So far according to the plan. **Cryomodules** having a controlled warm-up, some early concerns about insulating vacuum pressure runaways notwithstanding.
- **Halls:** de-installation work continues
- **Accelerator:**
Lots of installation and S&A activities, cable pulling is going on in the tunnel.
I.E: 1S stands, girder and magnets de-installation basically done, S&A in Warc completed, 1R getting prepped for upcoming new stands installation, R100 in 0L04 today, de-commissioning SL PSS
- **Test Lab:** demo of the main concrete wall is in progress
- **FM&L** prep for the tie-line, tunnel leak repairs, CHL-1 cooling towers mob
- **Open Issues** → **ODH status** of **NL/tagger area**, hopefully resolved in 1-2 weeks

TestLab demo



Progress July 2012

Float less than 22 days; activities planned to start per baseline but did not start (but if had float of >22 days --> no schedule impact)																
	Milestones	1.3.1 Cryomodules	1.3.2 Power Systems	1.3.3 Cryogenics	1.3.4 Beam Transport	1.3.5 Extraction	1.3.6 IC&S	1.5 Hall D	1.6.1.1.3 BSY (Civil)	1.23 Acc Maint	1.24.1 Hall A	1.24.2 Hall B	1.24.3 Hall C	1.26 Conventional Facilities (FML)	1.27 FEL	1.28 ESH&Q
end of June 2012	waiting on Test lab milestones from sperlazza	no issues	no issues	no issues	no issues	no issues	no issues	a little behind, but has float	no issues	no issues	a little behind, but has float	a little behind, but has float	a little behind (~ 3 weeks), but plenty of float	a little behind (counting house reno, MCC HVAC roof), but plenty of float Tunnel penetrations: behind schedule and no float (waveguide penetrations has a finish on or before 31 aug).	no issues	no issues
end of July 2012	Test Lab VTA Off Line Now September 14th.	no issues	no issues	Cooldown for solenoid is behind schedule with respect to November deadline	no issues	no issues	no issues	no issues	no issues	no issues	no issues	Behind (2 to 3 weeks in some areas), but has float	a little behind (2 to 3 weeks in some areas), but has float	no issues	no issues	No Progress Received

- **Resources:** no major issues until end of September. (Hall B)
- **Critical path:** cryomodules (to be fixed in the schedule), solenoid Hall D, CHL cooling towers header work

Upcoming NTF/Change Requests

- ✓ Transfer Line Alignment during warmup (W. Oren/S. Suhring) – Approved at 1 Aug CCB and implemented in July Progress. Cost and schedule resolved. Starts August 22.
- 1. **NEW** – FEL MSINST support needed (B. Legg) – started discussions Aug 6. Needs support for vacuum (fast valve work & viewer), crane & crew for PS installation, darklight exp hardware removal. Work to start in a few months.
- 2. 12GeV Hall C Schedule Implementation (H. Fenker/G. Young) - 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 6th June Mtg & pending funding, scope being reviewed)
- 5. 12GeV Hall B Schedule Implementation (Latifa/G. Young) -Sept Review ?

8 weeks look ahead

- End of the warm-up Aug 15
- Power Outage August 18 (Saturday) all day for tie-line.
- CHL-1 **cooling towers + header** contractor on site for preparation, work to start August 15
- SL, NL and X-fer lines **alignment**
- **Counting house** renovation starts (?)
- **East arc removal** completed by mid August
- Re-commissioning **CTF** (September)
- **Test Lab** demolition
- **S/R** and **Arc** magnets rework, start **stands** installation (next week)



== Good Day!



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



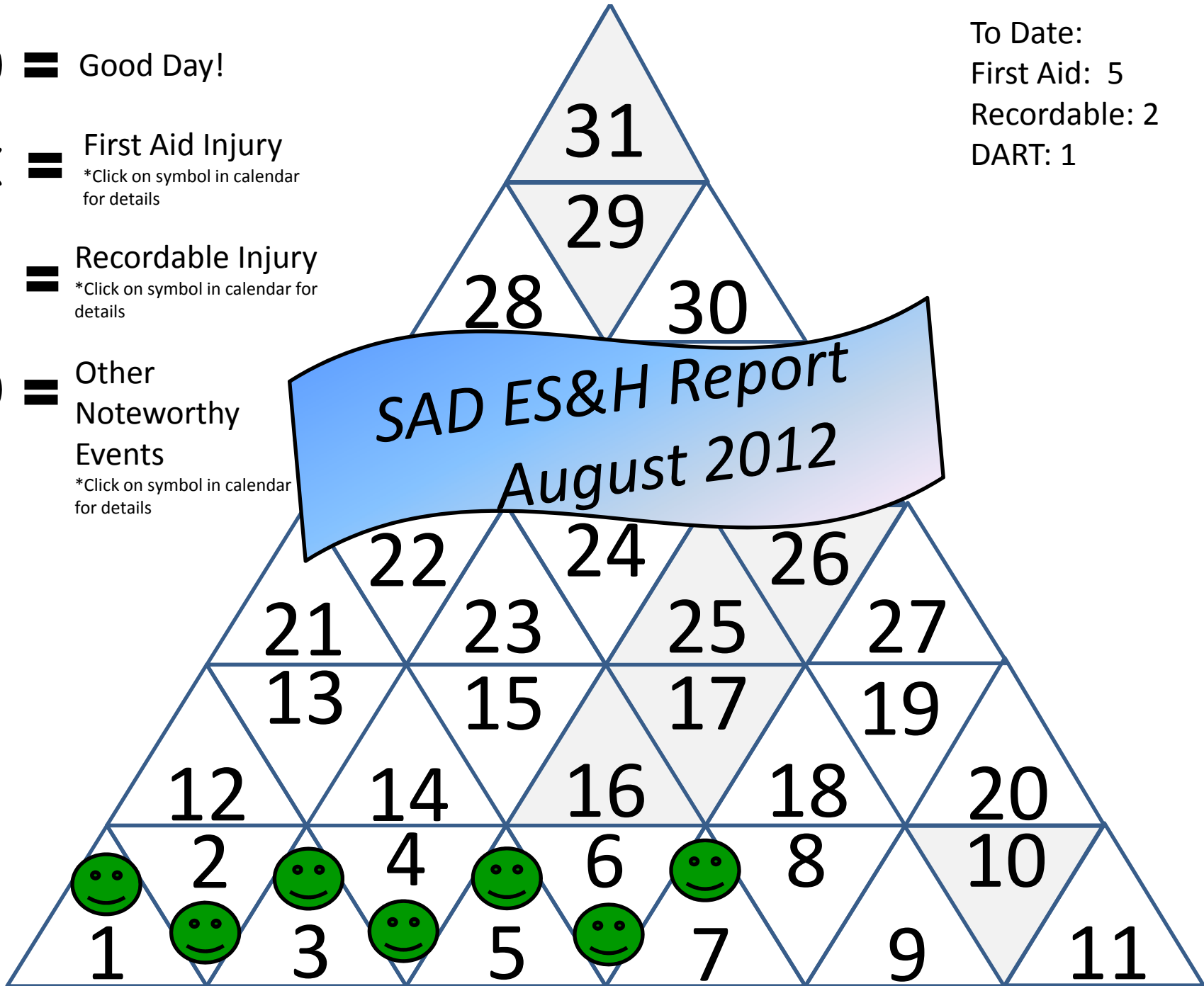
== Recordable Injury
*Click on symbol in calendar for details



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

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

SAD ES&H Report August 2012



Lessons Learned

- http://www.youtube.com/watch?v=mJEt3F1NPyg&feature=player_detailpage



Facilities Coordination Meeting

Aug 3

Agenda for August 2012 Meeting

- FY 12 Projects - updates
- FY 13 Projects - Proposed

FY12 Projects

40 MVA to 22 MVA Tie Line



Scope: Upgrade the Tie Feeder that is routed between the 22 MVA Substation (JLab Campus Substation) and the 40 MVA Substation (Accelerator Substation). This upgrade will more than double the current capacity between the 22 MVA Substation and the 40 MVA Substation and will also reduce voltage drop between the two substations.

Schedule update:

- Awarded 3rd week in May
- Construction starting in June
 - Old Cables have been removed
 - New Cables are being installed
 - 90% complete
 - August 18th (Saturday) Power Outage planned
 - Estimated Completion Date – could complete earlier than September completion date

FY12 Projects

CHL #1 Cooling Tower Replacement



Scope: The existing CHL #1 cooling tower is at the end of its useful life. Existing cooling towers serving process cooling loads at the CHL Buildings will be demolished and replaced with two (2) larger cooling tower cells to match the existing 12 GeV Cooling Towers recently installed during the 6MSD.

Schedule update:

- Awarded Mid May , Submittals 85% complete
- Construction
 - August Start
 - Cooling tower will support the CHL to August 15th
 - Cooling Towers will be down until end of Nov.
 - Support to CHL will start-up again first of December
 - Estimate Completion Date – End of January

FY12 Projects

Counting House Renovation



Scope:

- To replace existing HVAC systems, ceilings, and flooring on the first floor.
- Replace the roof and windows.
- Upgrade the bathrooms
- Upgrade the first floor lighting (energy efficient LED)
- Rehab the elevator.

Schedule update:

- Awarded end of July
- Construction
 - to start mid to end of August
 - 7 month schedule
 - Estimated Completion Date – End of March

FY12 Projects

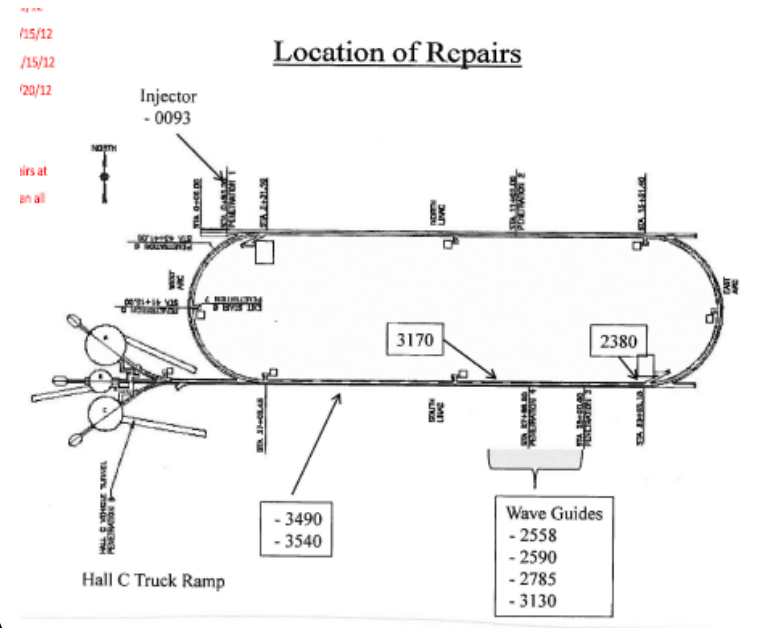
Repair of Tunnel Penetrations

Scope: Repair 10 Tunnel Penetrations

- Repair 4 wave guide penetrations (Aug – Sept)
- Repair 2 Fire Stand Pipe Penetrations (Aug – Sept)
- Repair the injector tunnel penetration (Sept – Dec)
- Hall C truck ramp tunnel penetration (Sept – Dec)
- Repair 2 cable filled tunnel penetrations in the South West Linac (Oct-Nov)

Schedule update:

- Contract was Awarded Mid July
- Dates of Repairs are coordinated with Accelerator Ops and incorporated into the Long Shutdown schedule
- Objective is to complete as many as possible by the end of this Fiscal Year



FY13 Projects

MCC



Scope:

- Replace existing HVAC systems in the office area and datacenter
- Replace the roof.

Schedule update:

- Scheduled award - early October 2012
- Construction scheduled to start November 2012
- Construction scheduled to complete Jan 2013

FY13 Projects

Test Lab Cool Roof



Scope:

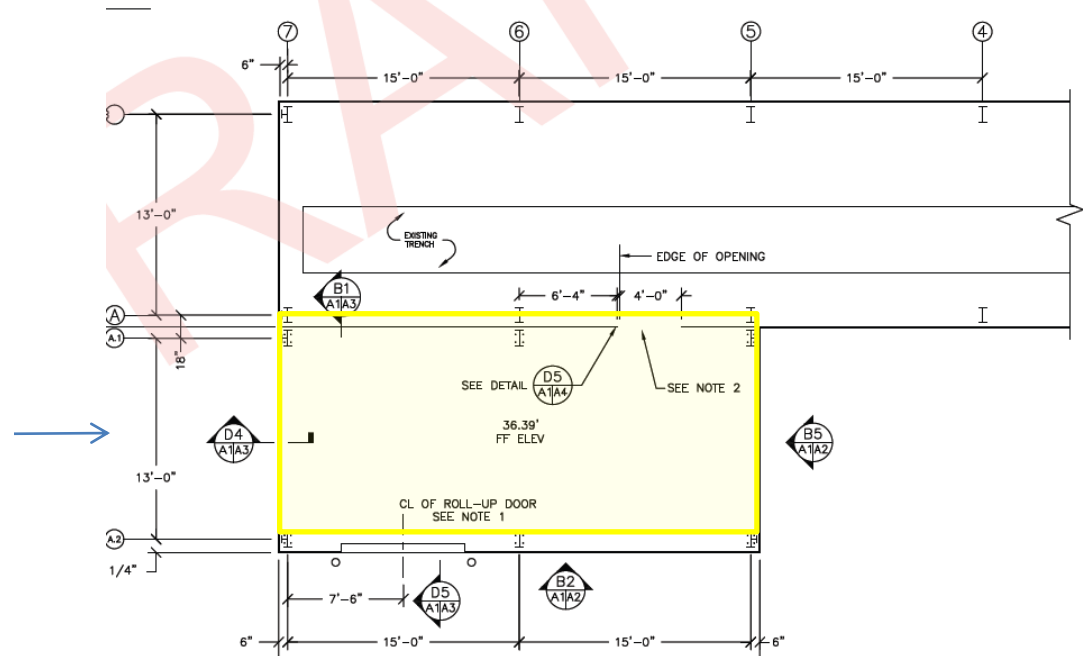
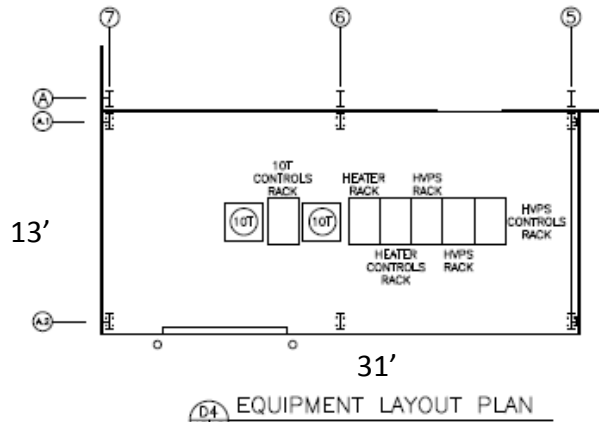
- Replace the existing roof.

Schedule update:

- Scheduled award of upfront planning - September 2012
- Scheduled Construction – After October 1st (contingent on Test Lab Rehab efforts)

FY13 Projects

Building 68 Expansion



Scope:

- add approximately 3,500 SF to the southwest end of building 68

Schedule update:

- 100% design review underway
- Scheduled Construction – Early October 1st

FY13 Projects

Building 87 Renovation



Scope:

- To Renovate the Building and get it to a High Performance Sustainable Building (Energy Efficient)
 - Early stages – evaluating HVAC, lighting, insulation, flooring

Schedule update:

- FY 13

FY13 Projects

40 MVA Switchgear

Scope

Switchgear to accommodate a 2nd 40 MVA Substation on the accelerator site

Also will be performing major maintenance on existing Equipment

Schedule –

Procure FY13

Install FY14

LINAC Air Conditioning

- Scope and Costs to be determined

Shutdown Work Summary

Organization: SRF

Name: John Hogan

Date: 08-August-2012

Last Two Weeks

Work That Went As Planned or Better Than Expected:

- Cryomodule warm-up; some vacuum excursions (expected)

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

- N/A

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
Cryomodules	X 		Complete warm-up of CM's	Identify system failures
Cryomodules	X 		Re-establish CM subsystems in preparation for cooldown	
Cryomodules	X 		Maintenance & repair	Known & unknown
Cryomodules	 X 		Resume Acceptance testing	Coordinating with TEDF

New Work Requests Requiring Schedule Changes:

- N/A

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

- N/A

Staffing Outlook:

- Stable

Shutdown Work Summary

Organization: 12GeV Beam Transport/Accel RSRSR

Date: 8/8/12

Name: Michael Bevins

Last Two Weeks

Work Completed:

- East Recombiner floor/ceiling plate installation, East Spreader removed
- Hall D beamline moveable shield wall rails placed
- West Arc 2A Alignment complete
- Girder rebuild effort (ER Done, WS 75% complete, OL/OR 25% complete)
- Installed/load tested BCOM dipole lift plates, removed one of the East Spreader BCOM dipoles

Work That Went Slower Than Expected, Delays, and Issues: None

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

Project	Status	On Schedule?	Tasks	Comments/Concerns
12GeV BT/RSRSR	X 	Ahead	S/R Removal	Begin Transport Recombiner removal
12GeV BT	X 	Yes	S/R & OL/OR Installation	Begin ER stand install. OL/OR layout and pedestal installation
12GeV BT	x 	Yes	Magnet Rework	Works continues
12GeV BT	x 	Ahead	East ARC 3 Dipole Refurb	Fill work for magnet measurement
12GeV BT	x 	Ahead	East Arc Alignment	2A alignment
12GeV BT	x 	Yes	Girder Rebuilds	Complete WS & OL/OR girders, Begin WR girder rebuilds
12GeV BT	x 	Ahead	Hall D Shield Walls	Moveable wall rail installation & wall base placement.

New Work Requests Requiring Schedule Changes: None

Significant Problems Pending (delays, technical issues, resource issues, scheduling): None

Staffing Outlook: No issues

Shutdown Work Summary

Organization: Alignment

Name: Chris Curtis

Date: 8 Aug, 2012

Last Two Weeks

Work That Went Better Than / As Expected:

- All available west arc components aligned for hookup (2A). This is approximately 80% of the W. Arc elements.
- Hall C target measurements completed.
- Building / pier / pipe surveys for Hall D cryo plant completed.
- East recombiner baseplates aligned.
- TLA granite pier checks started.

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
12 Gev Arcs	x green yellow red	Sched. for Sept	“Rough” alignment of east arc.	Plan to start early to relieve Sept. workload
12 Gev S/R	x green yellow red	Yes	1S bolt layout	Next few days
6 Gev Ops	x green yellow red	Yes	Alignment of OL04 cryomodule	Next few days
12 Gev S/R	x green yellow red	Yes – mid Aug	E. Recombiner stand alignment	
12 Gev Linacs	x green yellow red	Mid-Late August	Initial (2A) alignment	
Hall A	x green yellow red	August	Moller alignment	

New Work Requests Requiring Schedule Changes:

- Linacs alignment (CCB last week)

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

-

Staffing Outlook:

- Loosing 2 contactor/students this month. Will impact 3 crew operations.

Shutdown Work Summary

Organization: EESSUP

Name: Stallworth/Shinault

Date: 8/8/2012

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
12SLNI	x		Rewire Roots Blower/Vac. Cart	
RSROPR	x		Spare Conduits in Penetrations	
12CDII	x		Build Bertha Power Unit	
12SSRI			Re-work DC Leads in Mag. Test	
12SMPI		X	Hook Up Trim Racks In Tagger Service BLD.	Panels Will Not Support Installation
12SMPI	x		Hook Up Additional Trim Racks Onsite	
12SHPA	x		Hook Up Remaining Cathode Power Supplies in N. Linac	
12CPSS	x		Install PSS Box Duct in N. Linac Stub to Tagger and Truck Ramp	
12CPSS	x		Install PSS Junction Boxes in Hall D	
ARDTHF	x		Power for HISMIS SRF Power Supply	

New Work Requests Requiring Schedule Changes:

-

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

- Limited power and breaker space in Tagger Service Bld. Panels alters Trim rack Installation.

Staffing Outlook:

-

Shutdown Work Summary

Organization: Hall A

Name: Folts

Date: 8/8/12

Last Two Weeks

Work That Went Better Than Expected:

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

- Moller installation due to parts

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	X X	no	As per schedule	Still hold for parts
Cryo Work	X 	yes	As per schedule	Still progressing
Upside down girder	X 	no	Ready for magnet connections & alignment	This is a filler job

New Work Requests Requiring Schedule Changes:

- none

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

- Moller Polarimeter parts

Staffing Outlook:

Shutdown Work Summary

Organization: Hall B

Name: Tilles

Date: 8-8-2012

Last Two Weeks

Work That Went Better Than Expected:







- Removing of the Delay cables on all Carriages **On going**
- HDice transfer to Production Dewar and transport to Lab **Complete**
- Removal of Clam Shell electronic Racks **Complete**
- Gas System removal
- Splitting CLAS **Complete**
- Panel 4 TOF removal **Complete**
- Warm up of CLAS Torus magnet **Complete**

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

- Transport of delay cables to dumpsters, and crane OP's due to lack of staff.
- Detector removal due to lack of manpower and 12 GeV support.

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
*HDice removal	x   	Yes	Complete	All went as planned
*Delay cable removal	x   	Yes	On going	

Project	Status	On Schedule?	Tasks	Comments/Concerns
*Removal of Electronics and racks	x	Yes	On going	
*Splitting CLAS	x	Yes	Complete	FWD. Carriage Move 7/11/2012
*Panel 4 TOF Removal	x	Yes	Complete	
*C^ detector removal	x	NO	Start 7-24-2012	3 units are out
* Panel 1 TOF removal	x	NO	Start 8-6-2012	1 unit is out

New Work Requests Requiring Schedule Changes:

- Removal of Fwd. Carriage Electronics
- 12GeV support out-side of the Hall requiring manpower
- Load testing of 12 GeV Pcal windows **Complete**
- **TEDF setup for HTCC cleanroom**
- **Setup ESB for Drift chamber from ODU**
- **Lead in for Pcal 12 GeV (Done for now)**
- **Work for Cable Group**
- Laser transfer to EEL for 12 GeV

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

Staffing Outlook:

- Still short 1 person
- Will be 2 people short on the 22 of Aug

Shutdown Work Summary

Organization: Hall C

Name: Walter Kellner

Date: 08-07-12

Last Two Weeks

Work That Went Better Than Expected:

Beam line removal from BCM to target went flawless.

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
Q-week disassembly	x green yellow red	y	Beam line from BCM to target is removed, Hall C techs are removing girder stands etc.	
Q-week disassembly	x green yellow red	y	Region I, II and III are removed, concrete base removal in progress	On going
Q-week disassembly	x green yellow red	y	QTOR magnet disassembly starting next week	

New Work Requests Requiring Schedule Changes:

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

Staffing Outlook:

- N/A

Shutdown Work Summary

Organization: Hall D

Name: Tom Carstens

Date: August 8, 2012

Last Two Weeks

Work That Went Better Than Expected:

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

- Drilling holes for Tagger Stands (we hit rebar and need a different drill/bit, 11 of 12 holes finished)

Ongoing Shutdown Work

Install Pick-up Coils in Bore of Solenoid (90% completed)

Continue Building Solenoid Controls Rack

Continue building Solenoid Controls cabling

Install Power to racks in Rack Room of Counting House

Bonding Upstream Platform (on hold for Rack Room Power Installation and parts)

FCAL platform assembly (75% complete, some fit-up issues being addressed)

Paint Solenoid

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

Project	Status On Schedule?	Tasks	Comments/Concerns
Move Solenoid Power Supply and Controls racks into position	X 		

Project	Status	On Schedule?	Tasks	Comments/Concerns
Install Tagger stands	X	no		Stands will now be Installed after the Tagger Magnet is delivered in early Nov (the stands will hinder offloading of the large subassemblies)
Assemble tagger magnet gantry crane	X			
Install BCAL rails in bore of Solenoid	X			Rails now on-hand
Install Pair Spectrometer Magnet onto platform	X	45 days behind, mounting hardware just placed on order		No effect to overall schedule
Start of gluing/testing BCAL light guides (3840 total)	X	30 days behind scheduled start date		Delivery of light guides delayed/Modified fixturing still untested meaning 12 weeks installation time is "best guess".

New Work Requests Requiring Schedule Changes:

- None

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

- None ATT

Staffing Outlook:

- Adequate