

LSD Bi-Weekly Resource Planning Meeting Agenda

25 July 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) – “Puddles in the Tunnels” – H. Fanning
- Special Topic (5 min) – “Cryogenics Warmup” – M. Wright (or 0800 if can’t do next week)
- Key Service Provider & Project Lead Reports (20 min)
 - 12GeV Beam Transport/CMs - L. Harwood
 - S&A – C. Curtis
 - Electricians – E. Stallworth
 - Halls – W. Akers
- Meeting Recap / Parting Shots (5 min) – F. Pilat

Look back and glance ahead

Fulvia Pilat

LSD Resource Meeting

July 25, 2012

- **FEL:** running until July 31. Successful commissioning the beam for the Dark-light experiment
- *Injector emittance test canceled*
- **Halls:** de-installation work continues.
- **Accelerator:**
 - C100-4 (2L22) commissioning completed last week
 - SL23/24/25 RF controls tests
 - S/R work in the tunnel and S/R magnet rework continues
 - NL PSS Upgrade for 12 GeV, certifications for new RF zones, etc.
 - S&A activities
- **Test Lab:** demo started in the clean-room area, main concrete wall demo will start next Monday
- **FM&L** prep work for the tie-line
- **Open Issues** → **ODH status** of NL/tagger area and tunnel during warm-up

NTF/Change Requests

- ✓ **FEL Admiral & run schedule** (B. Legg) – CR reviewed at LSD CCB meeting 28 June approved - implemented in schedule.
- ✓ **Transfer Line and Linacs Alignment during warm-up** (W. Oren)
Meeting July 23 with S&A, CASA, 12 GeV → decision to realign SL and NL + Xfer lines asap (August-September 2012) CCB Meeting August 1st. Already in schedule to be included in the July progress.
- **12 GeV ACC RF Circulator Swaps** (L. Harwood) - (From Wed 1330 6th June Mtg & pending funding)
- **CR for ODH requirements NL/Tagger** – Discussions on-going – Page 1 submitted to 12 GeV
- 12GeV **Hall C** Schedule Implementation (H. Fenker /G. Young) **August** Review
- 12GeV **Hall B** Schedule Implementation (Latifa/G. Young) - ? Review “Maybe September”

8 weeks look ahead

- **CHL-1 warm up** begins August 1, ends Aug 15 (end of **C100 testing**, **FEL run**)
held one coordination meeting July 17, next planned Monday July 30
- Power Outages August 15 (partial) swing and August 18 all day for tie-line.
- **CHL-1 cooling towers + header** (August)
- **SL, NL and X-fer lines alignment**
- **Counting house** renovation starts ??? waveguide **penetrations**
- Re-commissioning **CTF** (beginning September?), **X-fer lines** modifications
- **Test Lab** demolition
- **S/R** and **Arc** magnets rework, start **stands** installation (Mid august still ok?)
- Installation **CM-3** in NL22; **R100** shuffle ?
- **Halls work** continues



☺ = Good Day!



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

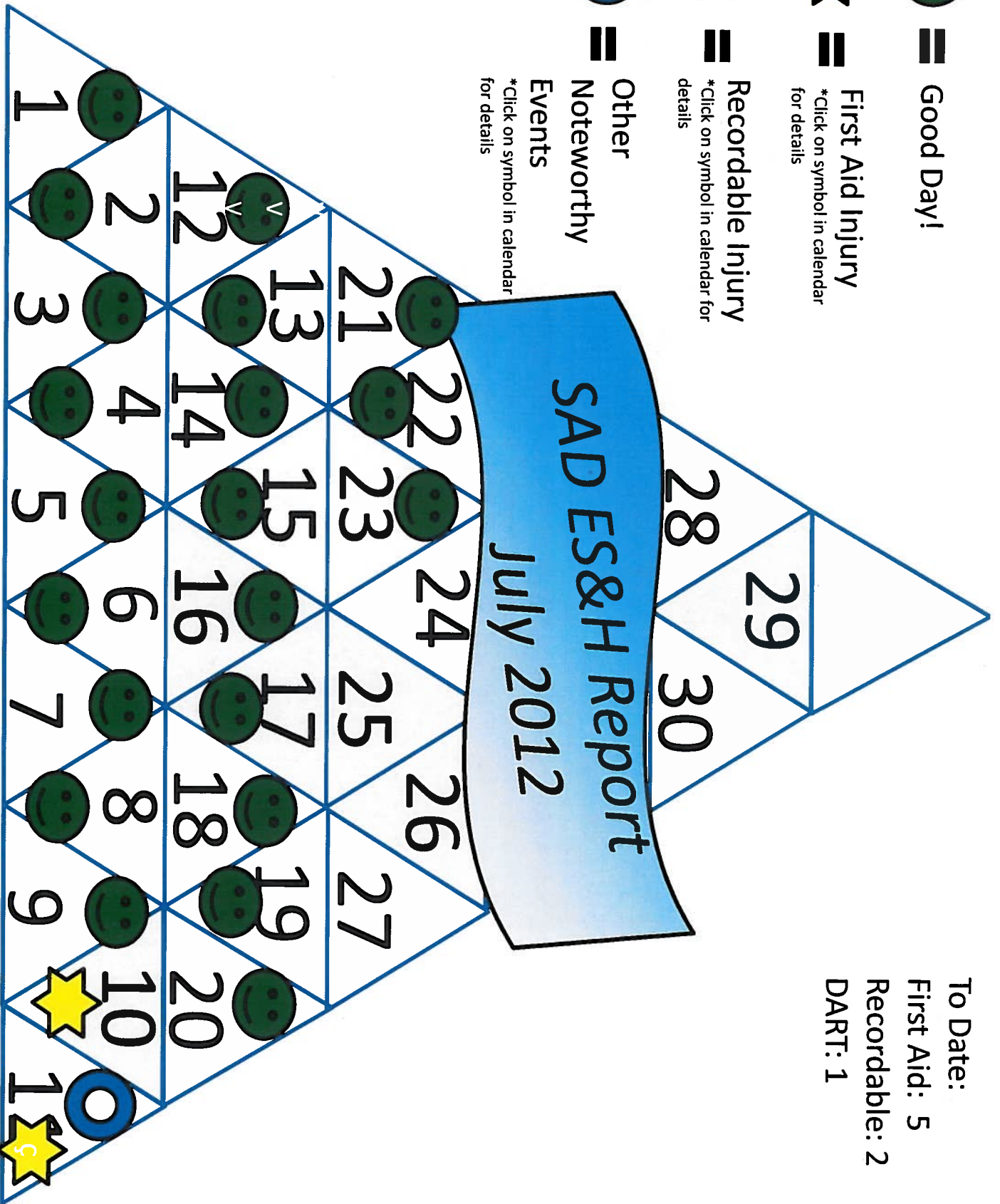
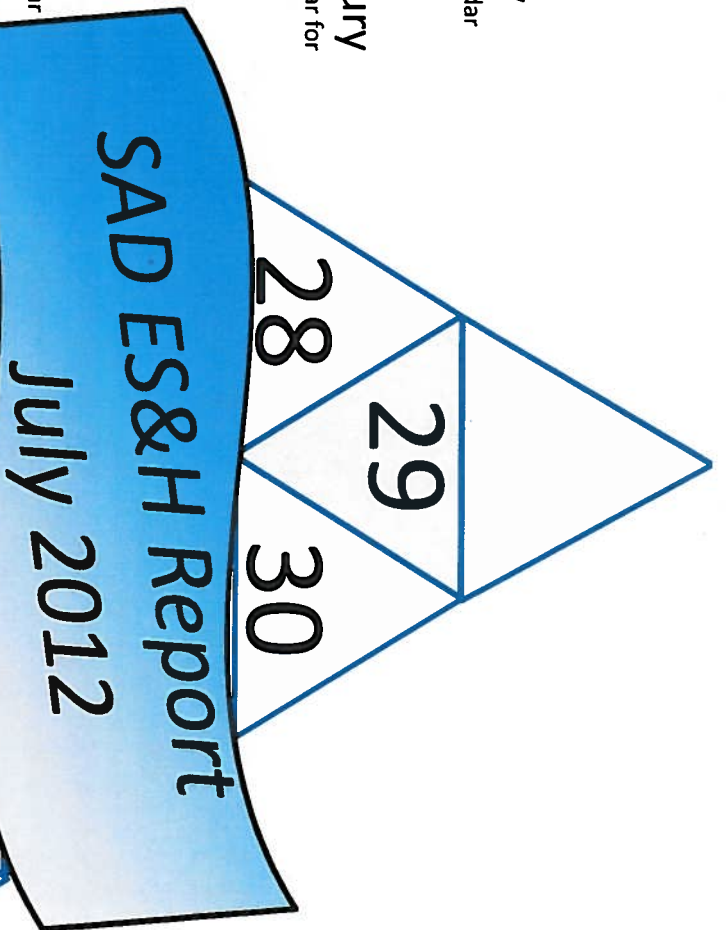


✖ = Recordable Injury
*Click on symbol in calendar for details






○ = Other
Noteworthy

Events
*Click on symbol in calendar for details



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


July 2012 Events

	Date	Location	Event
	7/10/12	Test Lab Addition	While transporting a rolling lifting device, termed a "back lift," the device fell onto her right shoulder, causing a contusion.
	7/11/12	Vacuum Lab	Graduate student was working near a pressurized cavity when the glass flange in a port shattered under pressure, expelling a shower of glass fragments, some of which struck her face, neck and arms.
	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.

Safety Observations


- 215 observations in 2 months
 - 90% “All Safe”
 - PPE/Work Clothes
 - Driving/Biking
 - Ladders

BACK-UP SLIDES

 = Good Day!

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

 = Recordable Injury
*Click on symbol in calendar for details

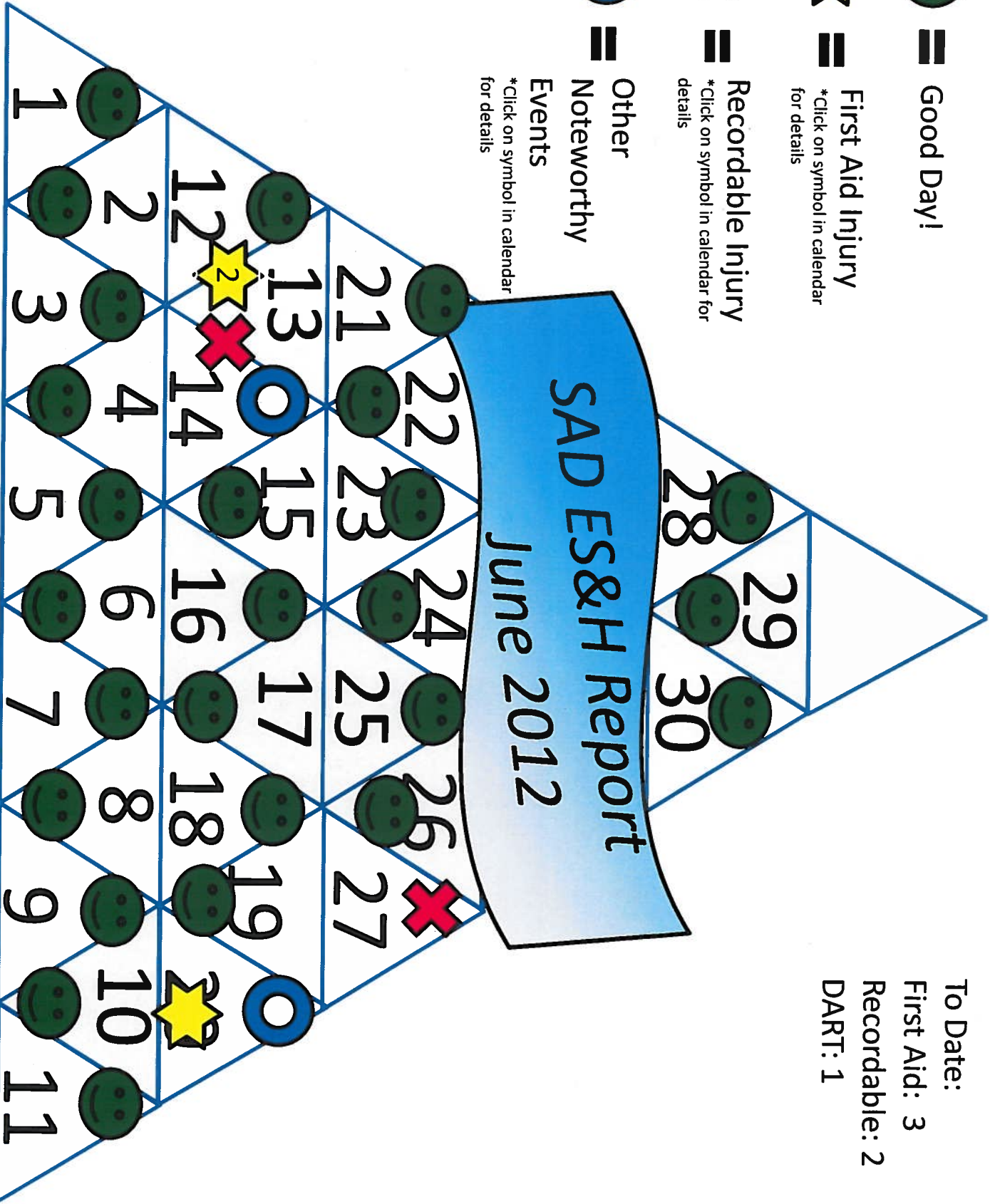
 = Other Noteworthy

Events
*Click on symbol in calendar for details




To Date:
First Aid: 3
Recordable: 2
DART: 1

SAD ES&H Report





June 2012



June 2012 Events

	Date	Location	Event
	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.

June 2012 Events

	Date	Location	Event
	06/14/2012	Behind the Test Lab Addition	Last Thursday morning a rupture disk on the LN2 tank outside of the Test Lab burst. No personnel were exposed. This tank valves were tested and both passed. As a precautionary measure, the valves and the disks are being replaced.
	06/13/2012	Test Lab T-Trench area	Employee was using a drill to screw angled plastic strips backed with weather stripping to the tools in order to seal the gap between the cleanroom wall and the process tools. Employee was diagnosed with tennis elbow and placed on restricted duty.
	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. The splinter was removed, the finger was cleansed and examined. Occupational Medicine then applied over the counter antibiotic ointment and band-aid. Employee has returned to work , regular duty.
	6/13/2012	Hall B	Employee reported frequent use of wire cutters has caused hand discomfort.

New OSP Form Training

Title: OSP Form Training for Document Owners/Authors

Wed, Jul 25, 2012

Description:

This training session will focus on inputting data into the new electronic OSP Review/Approval system; the overall review, approval, and expiration process; and how to search for and access current and expired documents. This system is scheduled to go on-line September 15, 2011.

Time: 3:30pm - 4:30pm

Location: CC F113

Contact: Mary Jo Bailey (m Bailey@jlab.org)

Phone: x7277

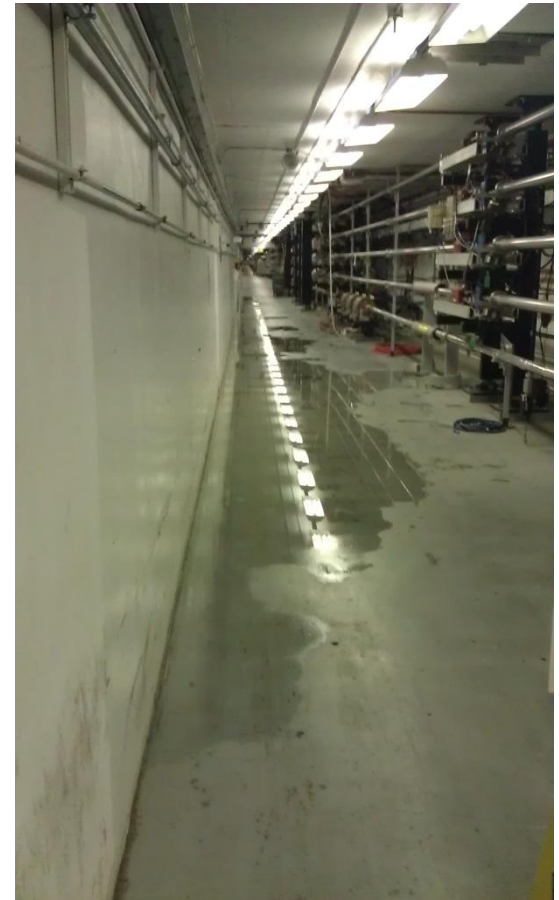


Puddles in the Tunnel

Harry Fanning ACC DSO

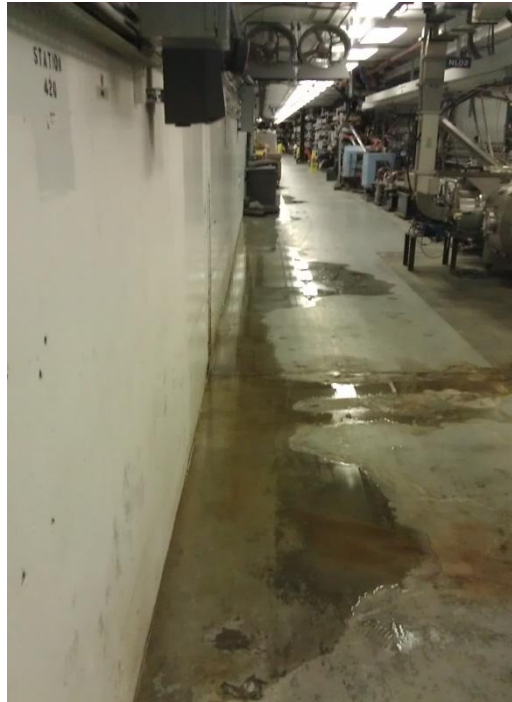
Background

- Since the Tunnel was initially poured, water intrusion has been an issue.
- Water is making its way to the floor by
 - ❖ Penetrations (cracks, cableways, etc.)
 - ❖ LCW leaks/HVAC drainage
 - ❖ Ice balls (Cryo)
- Water by itself or combined with other substances (i.e. Oil, bio-residue, etc.) can make for a dangerous environment.



Current Status

- Facilities is working with an outside contractor to plug cracks in the tunnel.
- Facilities is also working on leaking Penetrations.
- Water reported on the floor in the tunnel is being dealt with by Operability.



What to Do

- When you see water on the tunnel (like any hazard) report it!
 - Contact Steve Suhring (7670) or
 - Randy Michaud (7614)
- If you must work in the area:
 - Wear footwear that is appropriate for the conditions.
 - On smooth or wet surfaces wear slip resistant soles.
 - Alter your stride to take shorter, slower steps.
 - Walk, do not run through work areas.
 - When possible, avoid the slippery areas altogether.

Questions ?

Harry Fanning

- Office: 269-7619
- Cell: 768-9019

“Cryogenics Warmup”

As of July 25, 2012

Note: These dates are going to change.

Aug 1st-2nd:	Transition to 4K, Remove CHL dewar liquid withdrawal u-tube
Aug 3rd:	Install flex lines from trailer to CHL
Aug 3rd-7th:	Transfer Liquid from the LINAC's to the helium trailer
Aug 7th-15th:	Shutdown, secure, and warm up CHL and the LINAC's (still need to know if there is a priority of which modules to warm up first)
Aug 15th-17th:	Remove U-Tubes between CHL and LINAC transfer line
Aug 20th-24th:	Remove the U-Tubes in the LINAC between transfer line and cryo modules
Aug 27th-Nov 15th:	TL Refurbishment

Current Schedules: https://userweb.jlab.org/~mwright/Mat%27s_Home_Page.htm (See the following links: ATLI's Task for the LINAC and LINAC Calendar)

Mat Wright

Shutdown Work Summary

Organization: SRF

Name: John Hogan

Date: 24-July-2012

Last Two Weeks

Work That Went Better Than Expected:

- N/A

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 		Warmup of Linacs	Coordinating with Cryo
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

Name: Michael Bevins

Date: 7/25/12

Last Two Weeks

Work Completed:

- East Recombiner stand layout by S&A, West Recombiner (WR) removal
- OL/OR girder/beamline removals
- ARC 10 beamline drift tubes and ion pump installation (only tangents and N/S gate areas remain)
- ARC 1 dipole refurbishment & re-installation
- Girder rebuild effort (ER done!, WS 9 of 14 done)

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	Complete WR & Injection line removal, ES stand removal
12GeV BT	X	Yes	S/R & OL/OR Installation	ER floor/ceiling plate installation. Begin ER stand install 8/15. 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	Yes	Girder Rebuilds	Complete WR & OL/OR girders
12GeV BT	x	Ahead	Hall D Shield Walls	Begin moveable wall rail installation

New Work Requests Requiring Schedule Changes: None

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

Staffing Outlook: No issues



West Spreader Removal



West Recombiner/OR Removal

Shutdown Work Summary

Organization: Alignment

Name: Chris Curtis

Date: 25 July, 2012

Last Two Weeks

Work That Went Better Than / As Expected:

- Hall C collimator and tungsten plug as-found surveys completed.
- Hall B pre-shower calorimeter survey completed.
- Accelerator network survey complete in main ring, BSY, Injector and Line D.
- East recombiner stand locations layout completed.
- West arc initial alignment (2A) started. Approximately 25% complete.

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 	Started 16 Jul	“Rough” alignment of west arc.	Ongoing
12 Gev S/R	x 	Yes – mid Aug	E. Recombiner baseplate and stand alignment.	
Hall A	x 	August	Moller alignment	
12 Gev Linacs	x 	Late August	Initial (2A) alignment	

New Work Requests Requiring Schedule Changes:

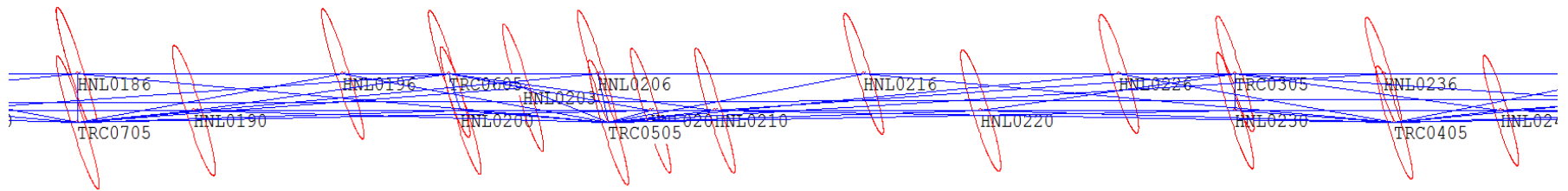
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Significant Problems Pending (delays, technical issues, resource issues, scheduling):

-

Staffing Outlook:

- OK.



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HNL0220 error ellipse: 0.43mm x 0.06mm

Shutdown Work Summary

Organization: Hall A

Name: Ed Folts

Date: 25 July 2012

Last Two Weeks

Work That Went Better Than Expected:

- Tours

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	The Q4 Quadrupole and shielding box are arriving later than originally scheduled. The shielding box will arrive in 2 weeks, the magnet will arrive in mid-August. This is consistent with the current delivery schedule. If they arrive as now expected, then the schedule should realign quickly. If there are further delays, then the schedule impact will be longer lasting.
Remove G2P	X 	yes	As per schedule	Finished accept for the pivot
Cryo Work	X 	yes	As per schedule	Moving on down the road
Upside down girder	X 	no	Ready for alignment	This is an unscheduled, filler job for alignment

New Work Requests Requiring Schedule Changes:

- None

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

- Moller Polarimeter parts

Staffing Outlook:

- No Change

Shutdown Work Summary

Organization: Hall B

Name: Doug Tilles

Date: 25 July 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.

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	Forward Carriage move originally scheduled for 6/26/2012 was completed on 7/11/2012.
*Panel 4 TOF Removal	x	Yes	Complete	
*C^ detector removal	x	No	Start 7-24-2012	The date for this work slipped from 7/12/2012 because of manpower shortages. Tilles indicates that the schedule is likely to continue to deteriorate unless additional manpower is brought to bear. Physics Management will conduct a manpower review in August to assess potential solutions.
* Panel 1 TOF removal	x	Yes		

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
- **TEDF setup for HTCC cleanroom**

- Setup ESB for Drift chamber from ODU
- Lead in for Pcal 12 GeV
- Work for Cable Group

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

- Manpower shortages are having a compounding effect on scheduled work.

Staffing Outlook:

- Still short 1 person



Shutdown Work Summary

Organization: Hall C

Name: Walter Kellner

Date: 25 July 2012

Last Two Weeks

Work That Went Better Than Expected:

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

- Beam line disassembly and removal from BCM to Qweak target scheduled for beginning of June has not started. Beam line needs to be removed by Aug 1st in order for Hall C and Target Techs to work on and above the Pivot area. See attached image:

QWeak vent and service pipe to be removed by Physics Target Group in early August.

QWeak Scattering Chamber will be removed by Hall C Staff

CryoTarget service lines will be removed by Target Group and Hall C staff.



Beamline that must be removed before August 1, 2012.

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-weak disassembly	x 	y	Region III 95% removed and will be completed by 07-30.	On schedule
Q-weak disassembly	x 	y	Region I and II disassembly 20% complete, shielding and beam line removal in progress.	On going
Q-weak disassembly	x 	y	Qweak target plumbing and cryostat removal .	In progress

New Work Requests Requiring Schedule Changes:

- None

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

- Beamline removal

Staffing Outlook:

- Unchanged



Shutdown Work Summary

Organization: Hall D

Name: Tom Carstens

Date: 25 July 2012

Last Two Weeks

Work That Went Better Than Expected:

- Installation of Solenoid Cladding

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

- None

Ongoing Shutdown Work

Install Pick-up Coils in Bore of Solenoid

Continue Building Solenoid Controls Rack

Continue building Solenoid Controls cabling

Bonding Upstream Platform

Install electrical power for Solenoid power supply

FCAL platform assembly

Leak Checking Pair Spectrometer (PS) Vacuum Chamber

Test 5mil Kapton material for PS exit windows

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
	X			
Install Tagger stands	X			
Assemble tagger magnet gantry crane	X			
Install BCAL rails in bore of Solenoid	X			
Install Power to racks in Rack Room of Counting House	X			Man power could be an issue. Back-up place is to use JLAB electricians if need be.
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