

**LSD Bi-Weekly Resource Planning Meeting  
Agenda**

**22 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 – FEL Plans now until next Run/Operations (~Jan 2013) (5 min) – D. Walker for B. Legg
- Key Service Provider & Project Lead Reports (25 min)
  - 12GeV Accelerator – L. Harwood
  - S&A – W. Oren for C. Curtis
  - Safety Systems – K. Mahoney
  - Halls – W. Akers
- Meeting Recap / Parting Shots (5 min) – F. Pilat

# Look back and glance ahead

Fulvia Pilat

LSD Resource Meeting

August 22, 2012

- **CHL-1 and linacs warm**, CHL disconnected from the linacs → ODH0
- Cryomodule maintenance in NL and SL in progress
- U-tubes removal in the tunnel completed
- Power outage completed as planned
- **Halls:** report from Walt
- **Accelerator:**  
First new stands installed in 1R region  
EArc survey in progress. SLinac alignment likely to start this week.  
Magnet rework, report from Leigh
- **Test Lab:** demo. Accident last Friday caused some delay.
- **FM&L:** CHL cooling towers work in progress, started on prep for tunnel penetrations repairs

# Stand delivery



Stand assembly



Stand installation:  
1R+



U-tubes awaiting rad survey

2L03 WG penetration repair



# Open issues → action items

- **TLA operational**. Weekly meetings FM&L and SRF revamped. Plan + schedule → **Joe Preble**
- Re-commissioning **CTF, VTA, CMTF**. Depending on TestLab demo. Plan + schedule → **Evelyn Akers**
- Testing and re-commissioning of **klystrons** → assessment + plan → **Bill Merz**
- Cool-down and re-commissioning of **C25, C50 and C100**, plan + schedule → **Mike Drury**
- Overall **cool-down** plan → **Will Oren**
- **Risk** tracking → **Steve Smith**



# Change requests

- ✓ 12GeV CR for ODH requirements NLinac/Tagger (L. Harwood/M. Spata) – Approved by 12GeV 16 Aug. Will be implemented in LSD schedule during August progress.
- 1. NEW – FEL MSINST support needed (B. Legg) – Started discussions August 6. Support needed for vacuum (fast valve work & viewer), crane & crew for p.s. installation, darklight exp hardware removal, pss re-certification. Talk by FEL today.
- 2. 12GeV Hall C Schedule Implementation (H. Fenker/G. Young) – September Review – 12 Sept 9:00-10:30am CCF224-225
- 3. 12 GeV ACC RF Circulator Swaps (L. Harwood) - (From Wed 1330 6<sup>th</sup> June Mtg & pending funding, scope being reviewed)
- 4. 12GeV Hall B Schedule Implementation (Latifa/G. Young) – October Review ???

## In discussion:

- C-25 & C-50 Re-commissioning
- Klystron Testing
- Cool-down Plan/Details

# 8 weeks look ahead



- ODH Monitoring – PSS system in Tagger area and Hall D
- Linacs+ X-fer lines re-alignment (Aug-Sep)
- Cryomodule maintenance
- CHL-1 Maintenance
- CEBAF linac X-fer lines modifications
- Continuation stand installation and magnet rework
- BSY LCW piping work, NA and SA building work should be completed by end of September - ?
- Zone testing, LLRF – starting October ?
- Hall C: SOS disassembly (September - October)
- Demo TestLab → CTF, VTA, CMTF re-commissioning (Sep-Oct)

*(COOL-DOWN starts December 3)*



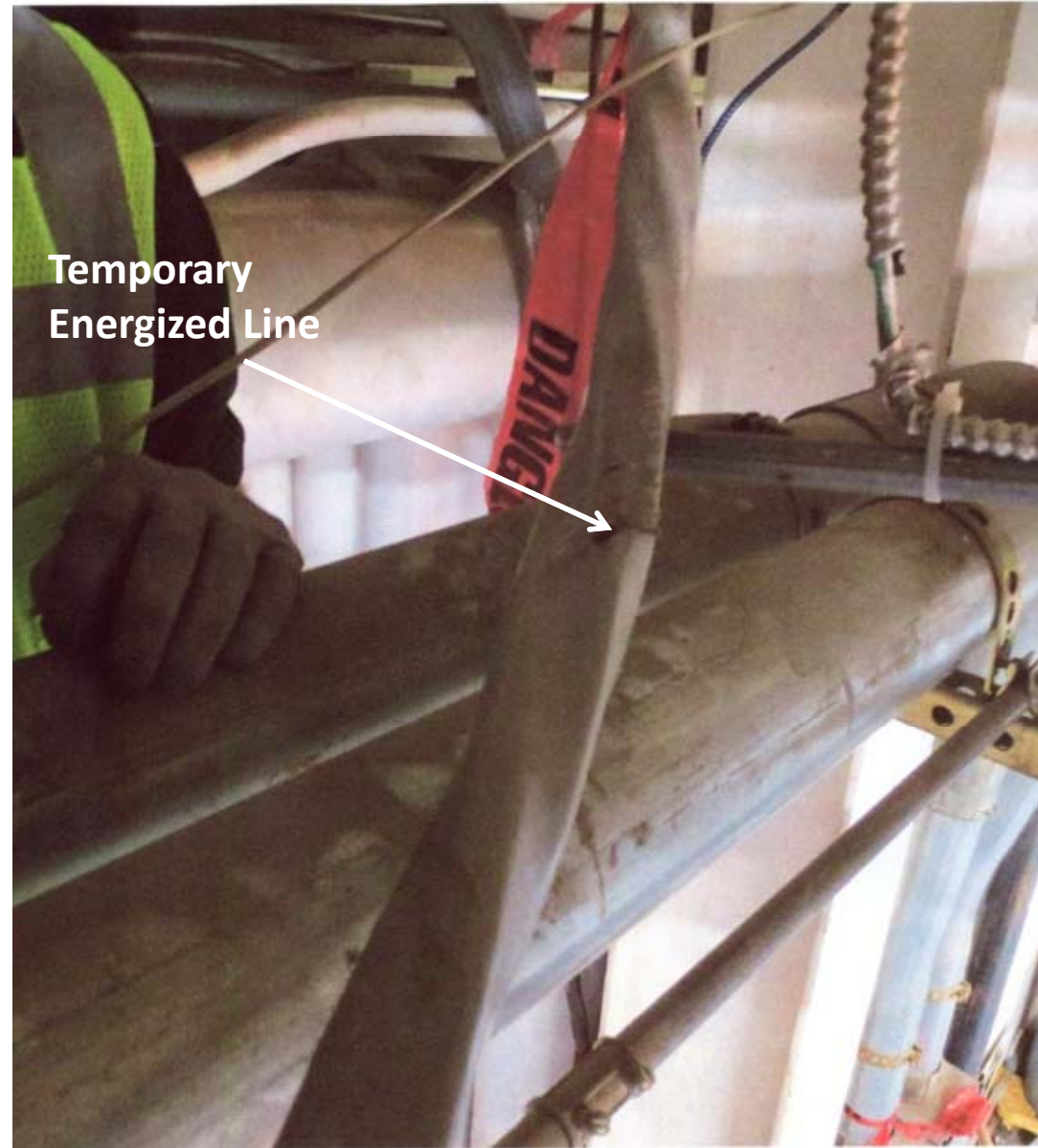


# August 2012 Events

	Date	Location	Event
	8/9/12	Hall B	During a visit with a vendor to Hall B, 2 employees and 3 subcontractors entered a radiological area without dosimetry.
	8/16/12	CHL 2	Employee brushed against a pipe that had a sharp burr on it, sustaining superficial laceration of arm.

## **Energized Line Hit in Test Lab**

**On Thursday, August 16, 2012, a sub-tier contractor was performing hand demolition work on a de-energized electrical line encased in flexible conduit in the Test Lab. The worker was aware of an energized 480 volt temporary line in close proximity to the area in which he was working. The worker was using a "sawzall" to cut through the de-energized line. As he cut, the flexible conduit moved. As a result, the pressure on the saw forced the saw to continue downward after the cut was accomplished. That caused the blade to come in contact with the live 480v/250 amp live line. The employee was uninjured and there were no damages.**



**BACK-UP SLIDES**

# Safety Observations

- 307 observations in 3 months
  - 95% “All Safe”
  - Driving/Biking
  - Ladders
  - PPE/Work Clothes

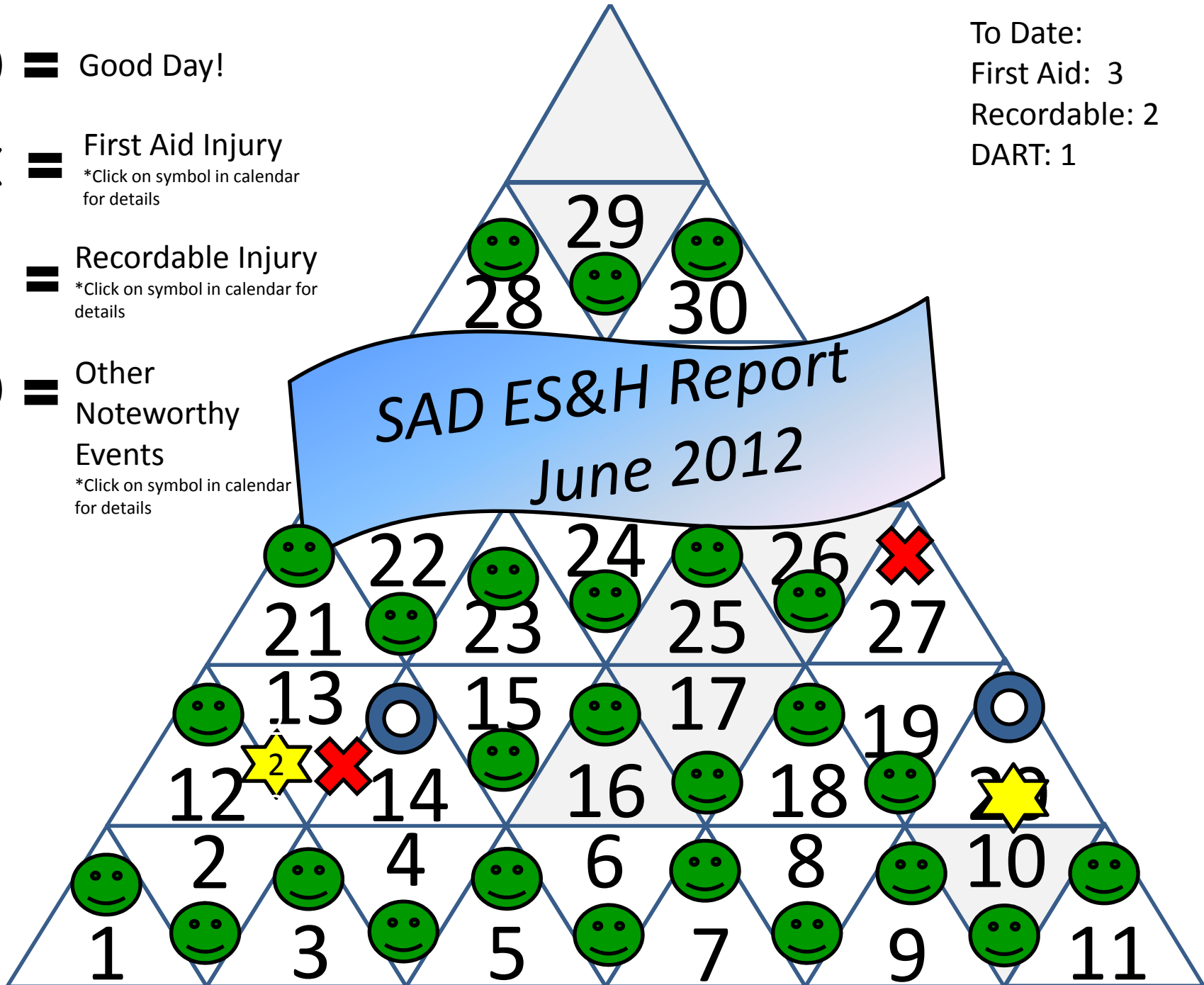
 = Good Day!

 = 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



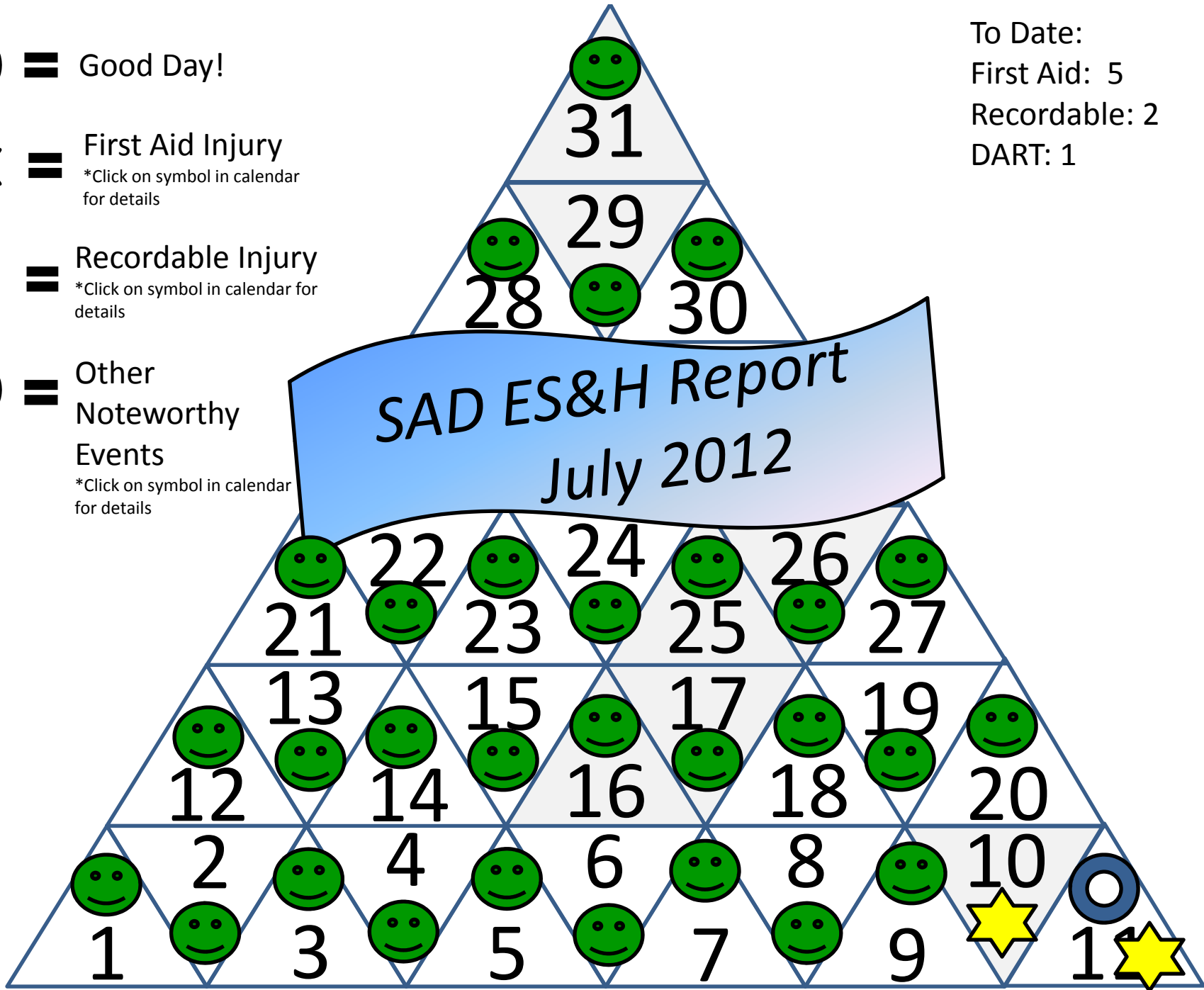
 = Good Day!

 = First Aid Injury  
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 = 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












# 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 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.

# 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,

# Shutdown Work Summary

**Organization:** FEL

**Name:** R. Legg

**Date:** 22 August 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
Check 1F04 valve	X <span style="background-color: #d4edda;"> </span> <span style="background-color: #fff3cd;"> </span> <span style="background-color: #f8d7da;"> </span>		Repair fast valve 1F04A	If valve leaks, need to vent module to remove fast valve.
Check 0F02 valve	X <span style="background-color: #d4edda;"> </span> <span style="background-color: #fff3cd;"> </span> <span style="background-color: #f8d7da;"> </span>		Replace bent bellows shield	Shouldn't leak since replaced last summer
Repair 3F12 viewer	X <span style="background-color: #d4edda;"> </span> <span style="background-color: #fff3cd;"> </span> <span style="background-color: #f8d7da;"> </span>		Vent and open cross	Not yet scheduled (!)
PSS Certification	X <span style="background-color: #d4edda;"> </span> <span style="background-color: #fff3cd;"> </span> <span style="background-color: #f8d7da;"> </span>		Sept 11 re-cert PSS	Tentative date from Kelly

### New Work Requests Requiring Schedule Changes:

- Re-measure the 12 quads from regions 2F and 5F using Trim Quad II Cards with the built-in, 3 part hysteresis ramp on their e-prom as we did with the UV quads. We may also want to characterize one or more quads with absolute field measurements as you have that capability now. (Coleman, Biallas)
- Realign quads 14 quads and 1F04B girder (Coleman)
- Crane to lift in new power supply and remove equipment from FEL gallery (Coleman)
- Replacement of 2 maybe 3 beamline Ion Pumps depending on the results from hi-potting. (Coleman)

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

- Admiral delays next spring

### Staffing Outlook:

- Concern over survey of quads' girders re-alignment.

## Proposed Tasks for Aug 1 - Jan 1 Down &amp; Beyond

No.	Priority	Task - Comments	Leader	Est. Material Cost, \$ K	Est. Labor pers-wks	Est. Start Date	Actual Start Date	Est. Comp. Date
1	1	Ring Resonator - Design, Fab, Install, Run, & Restore Machine	M. Shinn	160	50			
2	1	"Franken" Gun - Finish Design, Fab, & Install	C. H-Garcia	1500	365			09/10/13
3	1	Refurbish "Admiral" for Zone 2 or 3	M. Drury	150	420			07/01/13
4	1	748.5 MHz Buncher Cavity - Use with "Franken" Gun	R. Legg	75	8			01/01/13
	1	Provide HPA for Buncher Cavity	T. Powers	120	20			04/01/13
	1	Provide Digital RFCM for Buncher Cavity - JLab	C. Hovater	85	20			01/01/13
5	1	Rework Fast Valves (1F04 & 1V00)	J. Coleman	14	2			
6	1	Procure New Booster - Needs Definition	SRF & F. Hannon					
7	1	Replace HV Vacuum Cables as Needed	J. Coleman	10	4			
8	1	Repair Viewers - Need List	J. Coleman	1	1			
9	1	Build & Install Wire Scanners (Qty - 4)	P. Evtushenko	80	10			
10	1	Remove Dark Light Cube & Restore Machine Equipment	J. Coleman	0	4			
11	1	Connect N. Wall of Vault to Emergency Circuits	B. Shinault	0.5	0.6			
12	1	Hi-pot, Repair, or Replace Various Ion Pumps in Machine	J. Coleman	3	2			
13	2	Complete UV OCMMS	D. Hardy	2.5	6			
14	2	Complete PZT Switcher	D. Hardy	2	6			
15	2	Drive Laser Improvements	S. Zhang	120	18			
	2	Provide DLPC for Drive Laser - JLab	D. Sexton	5	14			
	2	Provide Digital RFCM for Drive Laser - JLab	C. Hovater	16	20			01/05/13
16	2	Assemble Trim Card II Units	J. Coleman	0	5			
17	2	Software Upgrade of LPSS - Specification is ready	W. Moore	0	6			
18	2	Software for High Level Beam Applications - Define	D. Douglas		32			
19	2	Upgrade VUV OTS - User Interface & Plan for Monochrometer	J. Gubeli	10	5			
20	2	Improve Diagnostics - Viewers (Qty - 20 - 4 - 4)	P. Evtushenko		6			
21	2	Improve Diagnostics - BPM Electronics	D. Sexton					
	2	Imbedded BPM "rework" ???	D. Sexton					
	2	4-channel and SEE "rework" ???	T. Powers					01/05/13
22	2	Upgrade Vacuum System - Need Proposal	J. Coleman	7	10			
23	2	Improve Temp. Control of LCW - Tune PID Control	R. Walker	0	2	09/04/12		09/17/12
24	2	1G Dump Energy Recovery - Proposal, Plan, & Design	D. Douglas	0	14			01/01/13
25	2	Provide "2 Pass" BPM's - Need Proposal	D. Sexton					
26	2	Install New Beam Viewer Electronics	D. Sexton	1	4			
27	2	Purchase 5 kW Power Supplies (Qty - 1)	J. Coleman	30	1			
28	2	Buy & Install Floating Bipolar P. S. for QT/GC Magnets (Qty - 8)	J. Coleman	7	1			
29	2	UV OC - Cooled OC Backplane	J. Gubeli	11	5			
30	2	MO Distribution to Drive Laser	T. Powers	11				
31	2	DLPC/MPS Duty Factor Calculator	D. Sexton	0.5	1			08/02/12
32	2	Replace Bellows Downstream of Buncher (fingers intrude & leaks)	C. H-Garcia	2	14			
33	2	Magnet measure 12 quads 2F & 5F & Reinstall - Need Trim Card II's \$2.2K/	G. Biallas	1	5			
34	2	Complete UV - IR Line Switcher	J. Coleman	2	5			
35	2	UL4 - Laser processing of Nb work (LMES)	M. Klopff					
36	2	UL5 - PLD work & excimer lamp work	M. Klopff					
37	3	Argon Process Zones 2, 4, Qtr. - Needs Procedure	J. Mammosser	1	5			
38	3	Improve Temp. Control of M.O. Drive Lines - Heat Control	R. Walker	10	12	09/17/12		12/03/12
39	3	Install VUV Monochrometer-Need meeting to establish spec's	J. Gubeli	?	?			
40	3	Provide New Ion Chambers for UV & IR Wigglers	T. Powers	30	6			
41	3	Procure or Build-up MPS Spares	J. Coleman	3	4			
42	3	Integrate Spare Dipole Box Power Supply - CEBAF Excess	J. Coleman	8	10			
43	3	Upgrade AMS & Video Switcher Systems	D. Sexton	1				
44	3	GMR Test Chamber	J. Gubeli	4	1			
45	3	Realign UV OCMMS Crosses	J. Gubeli	0.2	1			
46	3	Repair, Remove, or Redesign Ignitron Crowbar Circuit - Zone 3	R. Walker	4	4	08/06/12	08/13/12	08/22/12
47	3	10 MHz Distribution	T. Powers					
48	3	2nd Generation DMA	M. Shinn	25	4			
49	3	Kr Process Gun	C. H-Garcia	0	2			TBD
50	3	Test Cathode Double Cycle Heat Clean	D. Bullard	0	1			TBD
51	3	Restore 2G Dump	J. Coleman	0	1			
52	3	UL3 - Modify chamber layout, improve remote control & signals	M. Klopff					
53	3	UL3 - Model & design THz transport from UV line	M. Klopff					
54	3	UL3 - Upgrade lock-in hardware & software	M. Klopff					
55	4	UV HR N2 Manifold	J. Gubeli	0.5	1			
56	4	Provide "Rad FET" system (see task 39)	J. Coleman	12	4			
57	4	PM on RF Equip. (HPA, CPS, RFCM, etc.)	R. Walker	0	5	08/27/12		09/28/12
58	TBD	Laser "wire" Scanner - Design & Dipole Vacuum Chamber	P. Evtushenko	150	14			
59		Holidays	All		1.2			
60		Christmas Vacation & Add Personal Vacation	All		0.6			
61		Travel, Conferences, etc.	All					
62		Other	All					
				\$ K	pers-wks			
Totals				2525.2	1163.4			
Date - 8/21/2012								

# Shutdown Work Summary

**Organization:** 12 GeV Accelerator

**Name:** Harwood

System	Tasks
Cryomodules	C100-3 and C100-7 ready to install
Power	Cable pulls done in open S/R's. Restarted NL RF cabling.
Cryogenics	CHL2: Vendors almost gone. Prepping for compressor test in mid-Sept
	HDR: Continue fab and install
Beam Transport	HD "green door" baseplate installed
	3A: 11 dipoles re-installed
	4 stands installed in ER; TR dipoles removed; ES floor & ceiling plates set and aligned
	East arcs: 2A alignment at 30%
	Girder rebuild continues
	Removed 2 <sup>nd</sup> ES BCOM
I&C/Safety	S/R dipole rework continues
	Continued upgrade to NL PSS.
	Started ODH mod in NE corner.
	Continued fab of diagnostics

**Work That Went Better Than Expected:**

Stand install

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

None



4 ER stands installed

## 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	"Install" C100-3	X		
Power	Pull/terminate cables where possible	X	Y	
	Continue NL RF cabling	X	ahead	
Cryogenics	Complete prep for compressor test		X	Slightly behind
	Continue fab and install of HDR	X		Y
Beam Transport	OL/OR and S/R install	X	Y	Complete ER stand installation. Begin ER dipole/girder installation. OL/OR and WR layout and pedestal installation
	Continue dipole and girder rework	X	Y	
	Continue HD tunnel green door	X	ahead	Fill work
	TR removal	X	Ahead	
	Continue 3A refub	X	ahead	Fill work for mag meas.
I&C/Safety	Continue upgrade to NL PSS	X	Y	
	Continue fab of diagnostics	X	Y	



**Schedule Changes:**

- Further BT adjustments to keep work centers busy
- C100-3 install delayed from Baseline to coord with TL mod and maintenance

**Scope Changes:**

- ODH
- Circulator replacement (timing not certain)

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

**Staffing Outlook: Looks OK for now**

# Shutdown Work Summary

**Organization:** Alignment

**Name:** Chris Curtis / Will Oren

**Date:** 22 Aug, 2012

## Last Two Weeks

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### Work That Went Better Than / As Expected:

- Final touches to accelerator network completed. Including distances between the penetrations, and ties to the pivot points in Halls A and C. Data being analyzed with “challenges” in the halls to be resolved.
- East spreader bolt locations layed out.
- *OLOR bolt layout Thursday*
- *East recombiner stand alignment / QC – starts today;*
- *Start linacs 2B alignment in the SW corner on Thursday , may do 2 two iterations on the SE as we get to larger adjustments.*
- *Qweak target checks & light guides for Hall B (Lab work for one person)*

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

- East Arc step 2A alignment started. Some initial problems with shim, cartridges and data. Now fixed.
- OL04 Cryomodule aligned. Z adjuster ran out of travel, left out 3.5 mm (upstream)

## Ongoing Shutdown Work

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**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 <span style="background-color: #d4edda;">green</span> <span style="background-color: #fff3cd;">yellow</span> <span style="background-color: #f8d7da;">red</span>	Sched. for Sept	Step 2A, “Rough” alignment of east arc.	To continue as arc 3 magnets become available. (approx. 4 every 2 weeks)

Project	Status	On Schedule?	Tasks	Comments/Concerns
12 Gev Linacs	x	Yes	Final (2B) alignment	Ongoing until end of October
12 Gev S/R	x	Yes	Bolt layout – S/R, Line D etc.	Opportunistically
12 Gev S/R	x	Yes	E. Recombiner stand alignment	Ongoing
Hall A	x	???	Moller alignment	

**New Work Requests Requiring Schedule Changes:**

- 

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

- 

**Staffing Outlook:**

- Loosing 1 more contactor/student at the end of this month. Will impact 3 crew operations.
- Posting is up for term technician.

# Shutdown Work Summary

**Organization:** EES/Safety Systems Group

**Name:** Kelly Mahoney

**Date:** 22 August, 2012

## Last Two Weeks

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### Work That Went Better Than Expected:

- Box duct/conduit installation
- Hall D ODH Monitoring Installation
- North Linac PSS Upgrade Rack Wiring

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

- Tagger Conduit/Box Duct installation delayed to allow installation of other Tagger infrastructure. Required for all PSS wiring.

## Ongoing Shutdown Work

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**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 <span style="background-color: #d9ead3;"> </span> <span style="background-color: #fff2cc;"> </span> <span style="background-color: #f4cccc;"> </span>	Y	Cable Installation	Underway. Design review next week.
Hall D/Tagger PSS Interlocks	X <span style="background-color: #d9ead3;"> </span> <span style="background-color: #fff2cc;"> </span> <span style="background-color: #f4cccc;"> </span>		Installation of access controls	
PSS Box Duct Conduit Installation	X <span style="background-color: #d9ead3;"> </span> <span style="background-color: #fff2cc;"> </span> <span style="background-color: #f4cccc;"> </span>	Y	Install Cableway Infrastructure	Critical Path. Going well with dedicated electrician support.
MPS	X <span style="background-color: #d9ead3;"> </span> <span style="background-color: #fff2cc;"> </span> <span style="background-color: #f4cccc;"> </span>	N	Install North Linac MPS	Significant float. Not a critical path item.

Project	Status	On Schedule?	Tasks	Comments/Concerns
MPS – VME FSD/BLM Cards	X	Y	Test and install VME replacements for CAMAC MPS cards.	VME BLM card under test. EES is now supporting VME FSD hardware.
VTA PSS Modifications	X	Y	Modify Dewar Lid Interlocks Add HMI Panel Controls	Project approved and underway. Access to VTA needed to evaluate status.

#### **New Work Requests Requiring Schedule Changes:**

- Test Lab Recovery in September will delay 12GeV installation ~ 1 week.
- Injector Test Cave Reconfiguration required in January 2013. Needs some design and modifications to PSS. Impact unknown.

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

- 12GeV Suspension of procurements for FY12 may impact installation schedule. Needs to be evaluated and procurements re-prioritized.
- Need to ensure there is a wall and door installed at the North Linac/Hall D Tagger Labyrinth by end of November 2012.
- MCC renovation due to start at the time the PSS will be re-commissioned. Need to ensure access to PSS console and equipment.

#### **Staffing Outlook:**

- Grim. Farming out as much work as possible to meet 1Q FY13 deadlines for ODH and PSS. Securing long-term matrixed worker(s).

# Shutdown Work Summary

Organization: Hall A

Name: Folts

Date: 8/22/12

## 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	<span style="background-color: #d9ead3;">green</span> <span style="background-color: #fff2cc;">yellow</span> <span style="background-color: #f4cccc;">red</span>	X no	As per schedule	Detector Box has arrived and is currently being assembled.  Fourth quadrupole was due yesterday --- did not arrive. Vendor claims there was a misunderstanding about the delivery date. Delivery is expected in 2 to 3 weeks.  Completion of Moller Polarimeter is likely to fall behind expected October 1 <sup>st</sup> delivery because the new Quad needs to be mapped.  <b>No long term expected impact.</b>

Project	Status	On Schedule?	Tasks	Comments/Concerns
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:** 8-21-2012

## Last Two Weeks

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### Work That Went Better Than Expected:

- Removing of the Delay cables on all Carriages **On going**
- Gas System removal

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

- Detector removal due to lack of manpower and 12 GeV support.

## Ongoing Shutdown Work

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

Project	Status	On Schedule?	Tasks	Comments/Concerns
*Delay cable removal	x	Yes	On going	

Project	Status	On Schedule?	Tasks	Comments/Concerns
*Removal of Electronics and racks	x	Yes	On going	
*C^ detector removal	x	NO	4 units are out	
* Panel 1 TOF removal	x	NO	Start 8-6-2012	3 unit is out
Panel 2&3Removal	x	NO	Start 8-15-2012	2 units out
HTCC Cleanroom Setup	X	Unpublished 12GeV Schedule		Cherenkov Counters were originally proposed to be stored upright between processing stages. After removal it was discovered they cannot be placed in this configuration. No additional space is available for this work – so Mauri and Yuri will need to organize their work to cooperatively use the space.  HTCC cleanroom is being fabricated, and LTCC cleanroom being procured.
FTOF in Building 98	X	Unpublished 12GeV Schedule		Thermal monitoring is being installed to ensure temperature constraints are maintained in Building 98.

### **New Work Requests Requiring Schedule Changes:**

- Removal of Fwd. Carriage Electronics
- 12GeV support out-side of the Hall requiring manpower
- **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

**A formal manpower exchange request has been submitted to the Accelerator Division and we are awaiting a determination if 2 mechanical technicians may be available for use on this project.**

# Shutdown Work Summary

**Organization:** Hall C

**Name:** Walter Kellner

**Date:** 08-22-12

## Last Two Weeks

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### Work That Went Better Than Expected:

- Q-week disassembly completed

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

## Ongoing Shutdown Work

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

Project	Status	On Schedule?	Tasks	Comments/Concerns
SOS removal	x <span style="background-color: #d4edda;"> </span> <span style="background-color: #fff3cd;"> </span> <span style="background-color: #f8d7da;"> </span>	y	Fabrication and welding of jigs and tooling for the SOS disassembly	
SOS removal	x <span style="background-color: #d4edda;"> </span> <span style="background-color: #fff3cd;"> </span> <span style="background-color: #f8d7da;"> </span>	y	Removing 1.5 ton shielding panels from detector hut	
Concrete pad removal	x <span style="background-color: #d4edda;"> </span> <span style="background-color: #fff3cd;"> </span> <span style="background-color: #f8d7da;"> </span>	y	Cutting and drilling concrete pad for removal	

### 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:** August 21, 2012

## Last Two Weeks

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**Work That Went Better Than Expected:**

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

## Ongoing Shutdown Work

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Assemble and Install Cryo Platform

Install LCW in Tagger Hall (On hold for lack of man-power)

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

Continue Building Solenoid Controls Rack (90% complete)

Install Power to racks in Rack Room of Counting House (60% complete)

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

FCAL platform assembly (95% complete, some fit-up issues being addressed)

Paint Solenoid (75% complete)

Install BCAL Light Guides (starting Aug 27<sup>th</sup>?)

Repair/Modify Solenoid Magnet Current Leads (On hold for lack of man power)

**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 Controls racks into position	x			Could be move at any time but current installation work area (in ESB) is more efficient.
Assemble and Install Cryo Platform	X			Hoping to get first pieces delivered from vendor Aug 24 <sup>th</sup>
Install cable trays under Upstream Platform	X			80% of material on hand
Install LCW piping system in Tagger Hall (Bldg 204)	x			Lack of man power (Still on loan to Cryo)
Install BCAL rails in bore of Solenoid	X			Rails now on-hand but missing coating
Assemble tagger magnet gantry crane	X			
Install Pair Spectrometer Magnet onto platform	X		60 days behind, mounting hardware on order	No effect to overall schedule
Start of gluing/testing BCAL light guides (3840 total)	X		60 days behind scheduled start date	Delivery of light guides delayed/Modified fixturing still untested meaning 12 weeks installation time is "best guess".
Design/Assemble Solenoid Vacuum Panel	X			

**New Work Requests Requiring Schedule Changes:**

None

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

**Staffing Outlook:**

Marginal to meet short term "published" schedule.