

# SSRL - Accelerator Maintenance Day Tasks

7/11/2011

System	Sub-System	Description	PIC	Shop	Task Person	Forms	Hr
Access	Conditions:	1. Monday 6am to Tuesday 7pm SPEAR Down 6:00 -6:10 Run SPEAR kicker board tests. 6:15 PEM to ZVV SPEAR Di-pole PS 6:30 PEM to ZVV Booster White Circuit 6:15 PEM to ZVV G18, RF system  RF Cavity Schedule: Monday: 06:30 - 21:00 hrs Wvgd/Wndw rem, rep wndw Tuesday 02:00 - 07:00 hrs Wvgd replacement  SPEAR Tunnel gray doors to stay closed for thermal stability			PP1: Beukers Krzaszczak DC3: deLira Gjohnson-PEM		
Access	Conditions:	2. OUTAGES: Compressed air outage 8:00 - 11:00:- SPEAR/BL air will be switched to an auxiliary supply B140 compressed air down.	Maggi				
Access	Conditions:	3. Recovery: SPEAR - Power Supply Checks - 2 hrs after power restored (schedule time?)			DC3: deLira, Johnson-PEM		
Access	Conditions:	4. RSWCF Open:					

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Injector	Computer Control	5 . Reboot INJ02 and SPEAR3, 15 minutes.	Wermelsk				
SPEAR	Computer Control	6 . Objective: Replace network switch in SPEAR computer room due to fan failure and overheating (SWH-SSRLB117J1). 7am to 8am.  Scope of work: Transfer SPEAR console connections to newly installed replacement switch.  Devices that will be transferred: b117-pc18, spear3, b117-pc15, b117-pc19, zantar, spear2-noip, b117-pc1, b117-pc16, spear2, b118-lcwph, b117-pc2, b117-pc14, b117-pc11, b117-pc10, b117-pc3, spear3-noip, b117-pc12, and b118-lcw02.  Impact: SPEAR consoles will experience brief network glitches during the time of transfer. Approximate down time per device will be 45-60 seconds.	Ramirez				1
LINAC	Beam Monitoring and Diagnostics	7 . Remove Linac ACM chassis from B140-102 and replace EPROM integrated circuit in channel #1. Bench test chassis and return to service. RSWCF required. 0600-0900 hrs	Martin		Martin, Wallters	RSWCF	3

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LINAC	Beam Monitoring and Diagnostics	8 . Install camera in the linac diagnostic room	Gierman				2
SPEAR	Power Conversion	9 . MS1-BD resistance interlock	Rafael	PCD	DC3: deLira Gjohnson-PEM		4
SPEAR	Power Conversion	10 . MS1-BD Resistance interlock Cold system checks (**Schedule time for testing and monitoring**)	Rafael	PCD	DC3: deLira Gjohnson-PEM		3
SPEAR	Power Conversion	11 . Investigate klystron focus magnet PS for EPSC upgrade	Rafael	PEM	DC2: Lam - Larrus		1
SPEAR	Power Conversion	12 . SPEAR kicker board repairs - if needed	Rafael	PCD	PP1: Beukers Krzaszczak - PEM		
SPEAR	Vacuum	13 . 18S RF Cavity C and D - ceramic window change	Sebek		Kly, MSG, Vac		25
Beam Line	BL - Mech/Elec/ Checks	14 . BL9 - Engineering Review and Inspection	X				
Beam Line	BL - Mech/Elec/ Checks	15 . BL9 in alcove inspection for shutdown work	Rabedeau	BLD	2 Eng,		

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SPEAR	BL - Mech/Elec/ Checks	16 . Bean Line - system tour for new duty operator, Tyler French.					
Beam Line	BL - Mech/Elec/ Checks	17 . Survey locations for mirror LCW temperature stabilizing tanks at various beam lines.	Johnson		Kerr, Van Campen		
SPEAR	Facilities	18 . Seismic Upgrade - SP Access:  Mike Valentine (GP) Gary Krage (GP) John Emmett (GP) Joe Bauer (PCR) Dave Funke (PCR) Alfredo Flores (RC-D) Jose Gomez (RC-D) Elias Arreola (RC-D) Carlos Pintos (RC-D)	Chan-Hui				
SPEAR	Facilities	19 . Seismic Upgrade - walk through of the old BL4 alcove			Rabedeau, 2 project		0.5

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SPEAR	Facilities	20 . Seismic Upgrade - contractor site walk: Mike Valentine (GP) Gary Krage (GP) John Emmett (GP) Joe Bauer (PCR) Dave Funke (PCR) Alfredo Flores (RC-D) Jose Gomez (RC-D) Elias Arreola (RC-D) Carlos Pintos (RC-D)	Chan-Hui				
SPEAR	Facilities	21 . Seismic Upgrade - SPEAR yard, 14S area wall bracing. Drill and cast two concrete piers in the asphalt.	Carnes		G-P Contractor		4