

SSRL - Accelerator Maintenance Day Tasks

4/4/2011

System	Sub-System	Description	PIC	Shop	Task Person	Forms	Hr
Access	Conditions:	1 . 6:00 -6:10 Run SPEAR kicker board tests. 6:15 PEM to ZVV SPEAR Di-pole PS 7:00 PEM to ZVV Booster White Circuit 10:00 - 12:00 Restricted access in Linac for Laser Alignment			PP1: Beukers Krzaszczak DC3: deLira Gjohnson-PEM		
Access	Conditions:	2 . Recovery: SPEAR - Power Supply Checks - 2 hrs after power restored			DC3: deLira - Gjohnson-PEM		
Access	Conditions:	3 . OUTAGES: none					
Access	Conditions:	4 . RSWCF Open: 14S - Gas Injection System De-Post for Seismic Upgrade Personnel: Top of north booster ring Ground floor door at the SE corner of B140 "Slot" between B140 and B130					
SPEAR	Beam Monitoring and Diagnostics	5 . Cable stabilization - include magnitude signal at ADC.	Martin		Martin, Wallters, Allison		

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SPEAR	Beam Monitoring and Diagnostics	6 . Schematic documentation - Q Meter Receiver	Martin		Martin, Wallters		
Beam Line	Beam Monitoring and Diagnostics	7 . Reduce signal level at Hettel phase shifter.	Martin		Martin, Wallters		
Booster	Power Conversion	8 . Cebaf - back plane modification	Rafael		DC3: deLira Gjohnson-PEM		4
SPEAR	Power Conversion	9 . Maintenance on MS1-SD PS *Plus one hour to bring the system up	Rafael		DC3: deLira Gjohnson-PEM		2
SPEAR	Power Conversion	10 . Check 5V CPU supply in B131-1100. (Diagnose , b131-iocmcor01 reboot at 11:30am on 3/30	Rafael		DC3:AdeLra- GJohnson-PEM		1
Booster	Power Conversion	11 . Investigate kicker HV cable removal for seismic upgrade *Access needed to the Linac roof	Rafael		PP1: Beukers Krzaszczak DC3: deLira Gjohnson-PEM		1
SPEAR	Power Conversion	12 . SPEAR kicker K3 work - first pulse upgrade	Rafael		PP1: Beukers Krzaszczak		4

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Booster	Power Conversion	13 . Training sessions on SAPE-112 with owl, day and swing shifts	Rafael		PP1: Beukers Krzaszczak DC3: deLira Gjohnson-PEM		1
SPEAR	Power Conversion	14 . SPEAR kicker board repairs - if needed	Rafael		PP1: Beukers Krzaszczak		2
Booster	Power Conversion	15 . Check Booster extr.kicker #1 for proper trigger termination	Rafael		PP1: Beukers Krzaszczak		1
SPEAR	BCS	16 . Certify BAS through end of run: 1) BSOIC trip tests 2) Radiation Safety Inspection 3) PPS Interlocks Inspection	RPFO		RPFO, Ops		
BTS	MPS	17 . Switch screen computer control from BTS-PR1 to LTB-B1. This Pull cable through penetration (RSWCF)	Lessard		Lessard		2
LINAC	MPS	18 . Install in the LINAC a new cable for the diagnostic device (to PLC).	Lessard		Lessard		
Beam Line	MPS	19 . Troubleshoot diagnostic of BL12ID T/C	Lessard		Lessard		
LINAC	RF - Linac	20 . Remove 6 PSM RG223 LIN/BTS ACM1-3 from rack B140-103 to B140-111.	Wachter		Wachter		1

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LINAC	RF - Linac	21 . Install 6 PSM LMR 240 LIN/BTS ACM1-3 from rack B140-103 to B140-111.	Wachter		Wachter		1
LINAC	RF - Linac	22 . Automation Calibrate LINAC RF Diagnostic diode detector.	Wachter		Wachter		3
LINAC	RF - Linac	23 . Second generation peaking strip components VS drawing verification	Wachter		Wachter		1
LINAC	GTF	24 . Align GTF lasers in the linac vault Dedicated Linac Access for qualified lasers operators	Corbett				2
Injector	Mechanical	25 . Mechanical inspections	Ernst	MSG	1-MSG tech		1
SPEAR	Mechanical	26 . Read and record TCW UDC controller settings, if time permits	Ernst	MSG	DiMattia		1
SPEAR	Mechanical	27 . Mechanical inspections 1hr.	Ernst	MSG	1-MSG tech		1
SPEAR	Mechanical	28 . BL-13 ID work	Ernst	MSG	1-MSG tech		4
SPEAR	Mechanical	29 . Install spare power supply platform and railing	Ernst	MSG	2 -MSG Matrix tech		6
	Mechanical	30 . Review BL- 12 ID LCW and TCW plumbing	Ernst	MSG	MSG, Dell'Orco		1

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SPEAR	Insertion Device	31 . BL13 1) Replace upper gap encoder and change offset on new encoder so that it reads the same ID gap 2) Replace wrongly machined plate on phase row (MSG, Dell'Orco) 3) Replace all phase limit switches if Tom Dao confirms that 7 out of 8 are damaged by radiation (MSG, Dao, Dell'Orco) 4) Install lead shields to avoid radiation damage to limit switches (MSG, Dell'Orco)	Dell'Orco		MSG, Dell'Orco, Dao		
SPEAR	Insertion Device	32 . BL12-2 1) Inspect cooling channel manifolds (LCW and TCW) (MSG + Dell'Orco) 2) Inspect all TC wires and tags (Lessard) 3) Test BL12-2 RU3 TC to verify that MPS trips at 40C and that the history plot shows 40C. (Lessard)	Dell'Orco		MSG, Dell'Orco		
LINAC	Vacuum	33 . Change out WG03-IG1	Nalls		Vargas		7
Booster	Vacuum	34 . Leak check Booster north arc (diagnose high pressure at 21IG1)	Nalls		Vargas, Nalls		3
SPEAR	Vacuum	35 . Gas Injection System - 14S - start installation of in-alcove components	Nalls		Pak, et al		7

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SPEAR	Vacuum	36 . Install cavity ion pump power supply	Nalls		Ortiz, et al		7
SPEAR	Vacuum	37 . Replace UV damaged cables in BL11 alcove	Nalls		Yott, et al		7
Beam Line	BL - Mech/Elec/Checks	38 . Adjusting limit switches on the BL14-3 M0 mirror slits	Harrington				
SPEAR	Facilities	39 . Access Seismic Upgrade - work areas	Stetson		Cheung, Stetson		
Beam Line	BL - Mech/Elec/Checks	40 . Install a network cable from B120 to B131 on Monday April 4 and April 5. On Monday they will be setup outside of the west entrance into SPEAR with the cable. This is also where they will start the run. The cable is using the tray that runs between SPEAR and B221.	Ramirez	Network,	PCD		