

# SSRL - Accelerator Maintenance Day Tasks

12/6/2010

System	Sub-System	Description	PIC	Shop	Task Person	Forms	Hr
Access	Conditions:	1 . SPEAR access: 6:30 to14:00 hrs Lockdown: Linac SPEAR - run kickers 6:00 to 6:10am - ZVV Dipole PS by 6:30am Booster - ZVV by 8:00am  De-post Linac roof by 7:30 am					
Access	Conditions:	2 . SPEAR - Power Supply Checks - 2 hrs after power restored					
Access	Conditions:	3 . OUTAGES:					
Access	Conditions:	4 . RSWCF Open: - De-post LINAC roof for Seismic Upgrade tour.					
Beam Line	Vacuum	5 . Beam Line front end Functional Diagram updates	Nalls	Vacuum	Jacobson		
Booster	Power Conversion	6 . Booster Ejection kicker inspection	Beukers	PCD	Beukers/Krzaszczak		1

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Booster	Mechanical	7 . Booster ring maintenance inspections (requires booster ring access).	Ernst	MSG	1 MSG tech	(requires LOTO ZVV for all magnet strings)	1
Booster	Mechanical	8 . Review Septum magnet conductor cover design	Ernst	MSG	1 MSG tech	Requires LOTO ZVV	1
Booster	Vacuum	9 . Walk thru	Nalls	Vacuum	Vargas		
LINAC	MPS	10 . Investigate the LCW temps crosstalk problem.	Lessard				
LTB	Power Conversion	11 . Install new LTB-B2 PS and EPSC. Rack 103 el 05	de Lira	PCD	de Lira/Johnson		6
LTB	Power Conversion	12 . Remove unused PS's from rack 103 el 22 (LTB-C4H & LTB-C5H)	de Lira	PCD	de Lira/Johnson		1
LTB	Vacuum	13 . Install ICT	Nalls	Vacuum	Vargas, Nalls		
LTB	Vacuum	14 . Dry lubricate stoppers. Joe Vargas	Nalls	Vacuum	Vargas		

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SPEAR	Beam Monitoring and Diagnostics	15 . 17S - install BL loss monitor (diagnose if area high loss)	Martin, Corbett?				
SPEAR	Thermocouple System	16 . 17S bellows/mask module - install TC on leak area	Ortiz, Scott				
SPEAR	Power Conversion	17 . Spear kickers - inspections and repairs.	- Beukers	PCD	Beukers/Krzyszczak		5
SPEAR	Power Conversion	18 . 17G-ECD PS interface board fix	de Lira	PCD	de Lira/Johnson		0.5
SPEAR	Power Conversion	19 . 09S-QD1 - replace bit buss controller and test	de Lira	PCD	de Lira/Johnson		1
SPEAR	Mechanical	20 . BL-13 ID tooling ball sockets  Requires Hot Work Permit for TIG welding and SPEAR ring VESDA system to be off.	Dell'Orco	MSG	Dell'Orco, 2 MSG techs		3

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SPEAR	Mechanical	21 . Install new stop dampers on SPEAR Stopper ST-1 & 2  Perform SAPE -065 PPS Beam Stopper Preventive Maintenance and test Procedure as final functional test.	Ernst	MSG	2 MSG techs	Requires RSWCF for working on PPS system components.	3
SPEAR	Mechanical	22 . Install dipole step over platform (model one location)	Ernst	MSG	1 MSG tech		2
SPEAR	Mechanical	23 . SPEAR maintenance inspections	Ernst	MSG	1 MSG tech	require 1s LOTO ZVV for all magnet strings	1
SPEAR	Vacuum	24 . Walk thru	Nalls	Vacuum	Pak		
SPEAR	Vacuum	25 . Strip 18S-RGA bake out. Switch RGA bakeable HV cable to right angle HV cable	Nalls	Vacuum	Jacobson		

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SPEAR	Vacuum	26 . 18S-RGA: Qualify base pressure and scans Open RGA to Cav D Leak check Cav D area and ceramic window (non vac side thru waveguide)	Nalls	Vacuum	Bach, Pak, Ortiz		
SPEAR	Vacuum	27 . 17S-IG1; trouble shoot instabilities	Nalls	Vacuum	Pak		
SPEAR	Vacuum	28 . 18S-RGA camera removable	Nalls	Network Group	Ramirez, Camuso		
SPEAR, Injector	Facilities	29 . Tour of accelerator areas related to Seismic Upgrade					