

# SSRL - Accelerator Maintenance Day Tasks

6/14/2010

System	Sub-System	Description	PIC	Shop	Task Person	Forms	Hr
Access	Conditions:	1. SPEAR access: 6:15 to 15:00					
Access	Conditions:	2. SPEAR - Power Supply Checks - 2 hrs after power restored					
Access	Conditions:	3. OUTAGES:					
Access	Conditions:	4. RSWCF Open:					
Beam Line	BL - Mech/Elec/Checks	5. Fix a SPEAR concrete seam rad leak near BL9/8.	Rabedeau		Wenger		
Beam Line	BL - Mech/Elec/Checks	6. BL10-1 M1 mirror feedback.	Johnson		Brehmer, et al		
Beam Line	BL - Mech/Elec/Checks	7. BL13 m1 mirror modulator install	Johnson	BLOPS	Brehmer/Maciel		
Beam Line	BL - Mech/Elec/Checks	8. BL LCW flow modifications.	Johnson		Kerr		
Beam Line	MPS	9. Change the programs for the MPS ControlLogix system. For addition of new BL IG analogs for EPICS. (this can be done during the lunch hour)	Lessard		Lessard		1

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Beam Line	Vacuum	10 . BL walkthrough	Nalls	Vacuum	R. Bach		0.5
Beam Line	Vacuum	11 . Install bellows masking gasket downstream of BL2-0IV1. Vent BL2	Nalls	Vacuum	R. Bach		6
Beam Line	Vacuum	12 . Install new TC contacts to replace original TCs on. 1,2,8,and 14.	Nalls	Vacuum			
Injector	Beam Monitoring and Diagnostics	13 . Plan BL4 timing cable pull.  Plan B140 AC circuit installation (Linac roof access) This is for a new rack on the B140 floor. We need to look at the transformer and CB panel on the Linac roof.  LTD BPM installation (Linac & Diagnostic Rm access)	Martin				
Injector	Beam Monitoring and Diagnostics	14 . Install four (4) new 120VAC, 20A circuits, associated 20A circuit breakers, and conduit as required, to new electrical rack in B140. The new rack will be adjacent to B140-106A, and be numbered B140-111.	Martin				
Injector	Power Conversion	15 . Inspect & repair of bld 140 Mod. K2,K3 Klys Fil Chassis	Rafael	PCD/PP1	Morris/PEM		

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Injector	Power Conversion	16 . Inspection of bld 140 Delta temp circuit, K3	Rafael	PCD/PP1	Morris/PEM		
Injector	Power Conversion	17 . Bld140 Injection & Extraction Kickers PM	Rafael	PCD/PP2	Beukers/PEM		
Injector	Power Conversion	18 . Bld140 Kickers Extraction kicker #1 repair	Rafael	PCD/PP2	Beukers/PEM		
Injector	Power Conversion	19 . Inspect white circuit pulser fan - for future replacement	Rafael	PCD	Taylor		
Injector	Timing	20 . Timing circuit	Ortiz				
Injector	Vacuum	21 . Booster ring inspection	Nalls	Vacuum	Vargas		1
LTB	Mechanical	22 . Inspect LTB and plan alignment program for downtime.			Gierman, Gaydosh, Gassner		
SPEAR	Computer Control	23 . Reboot VME crates for digital IO	Allison				
SPEAR	Computer Control	24 . TSOIC software updates	Rarback				
SPEAR	Computer Control	25 . Reboot network servers	Prado				

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SPEAR	Power Conversion	26 . Replace intermediate PS in bld 118 for PM 05G-QD1, 06G-QD1, 07G-QD1 & 17G-QD1	Rafael	PCD/DC3	de Lira/PEM	RSWCF	
SPEAR	Power Conversion	27 . Fan replacement on 17G-QD2	Rafael	PCD/DC3	de Lira/PEM		
SPEAR	Power Conversion	28 . Replace intermediate PS in bld 118 09S-CD2 Test V readback after ac power is restored	Rafael	PCD/DC3	de Lira/PEM		
SPEAR	Power Conversion	29 . Calibrate BTS-B7H V/V coefficient Test V readback after ac power is restored	Rafael	PCD/DC3	de Lira/PEM		
SPEAR	Power Conversion	30 . Check primary O/C protection on 09S-QDZ PS	Rafael	PCD/DC3	de Lira/PEM		
SPEAR	Power Conversion	31 . Validate ELP for BLD 118 Dipole PS	Rafael	PCD/DC3	de Lira/PEM		
SPEAR	Power Conversion	32 . Check documentation updates, SPEAR ring	Rafael	PCD/DC3	de Lira/PEM		
SPEAR	Power Conversion	33 . Inspection of Bld 118 SPEAR kickers K1,K2 & K3	Rafael		Beukers/Krzyszczak		
SPEAR	Beam Monitoring and Diagnostics	34 . Connect six thermocouples (TCs) to Thermal Reference Planes (TRPs).	Ortiz				

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SPEAR	Mechanical	35 . Install thermal blanket on north and south arcs	Dell'Orco	MSG	MSG techs		
SPEAR	Insertion Device	36 . Determine mounting locations for EPO switches for BL5,6,9 and 10 for insertion devices	Dao		Dao, DiMattia		1
SPEAR	Insertion Device	37 . BL13 ID - extend row phase range of motion to +/- 34mm: Install new switches 7 - 9am Connect optical switches 9 - 10am Set limits 10 - 12 am	Scott	MSG	Evanson, Ernst, Dao		
SPEAR	Vacuum	38 . 12S-IG1 trouble shoot (flat line, status is off and on bypass)  09S-TSP trouble shoot (did not Fast Flash, "filament gone")	Nalls	Vacuum	Pak		1
SPEAR	Facilities	39 . Reactivate the GFCI for the BSOIC ckt. Power to the system will be interrupted, which includes the B118 lights and the MPS.	Guerra		SLAC Electrician		1
SPEAR	Facilities	40 . Review work in SPEAR - 3 people	Cadapan				