

SSRL - Accelerator Maintenance Day Tasks

12/7/2009

System	Sub-System	Description	PIC	Shop	Task Person	Forms	Hr
Access	Conditions:	1 . SPEAR access: 6:30 to16:00					
Access	Conditions:	2 . SPEAR - Power Supply Checks - 2 hrs after power restored					
Access	Conditions:	3 . OUTAGES:					
Access	Conditions:	4 . RSWCF Open:					
Beam Line	Vacuum	5 . Walk through	Neal	Vacuum	Bach		0.5
Beam Line	Vacuum	6 . Check for helium leak on BPM Mylar Cap	Neal	Vacuum	Spector, Neal		1
Beam Line	Vacuum Out Alcove	7 . Long IP cable inspections for cracking etc, BLs 1, 2, 5, 6, 9 and 11.	Neal	Vacuum	Bach, Spector		4
Beam Line	Vacuum Out Alcove	8 . Verify BL Ion Gauges are being tracked by the SPEAR Status Page, History Plot and the pressures are reading the correct pressures.	Neal	Vacuum	Bach, Spector		4
Beam Line	BL - Mech/Elec/C	9 . Inspect and maybe adjust BL9-1 MPS slit limit switch.	Van Campen				

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12/3/2009

System	Sub-System		Description	PIC	Shop	Task Person	Forms	Hr
Booster	Magnets	10 .	Booster maintenance day work list 12/3/09 1) Mechanical Inspections 2) Install new DIN rail terminal block on selected BTS quads 3) Review dipole power connections to magnet. 4) Review Sextupole power connections to magnet. 5) Inspect all pneumatic actuators, booster ring, linac	Ernsts				3
BTS	Computer Control	11 .	Test new BL13 EPU software that uses the new encoders.	Rarback				3
BTS	Vacuum	12 .	Install VAT DN40 at injection raft location (upstream of skew quad drift and Corr 8H). Requires vent of BTS (Valve will become BTS-IV2 after existing IV2 is removed for the Tune-Dump Rotation	Neal	Vacuum	Nalls, Jabobson, Bach		6
BTS	Vacuum	13 .	Reconfigure BTS ion pumps to run on SPEAR supplies			Pak, Neal		2
LINAC	Power Conversion	14 .	Linac Modulator Tuning	Fernandez, Morris	PEM	Fernandez, Morris, et al	Door/E WP + ground ing	7

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SPEAR	Beam Monitoring	15 .	Install cables for BXB Monitor, B116 to SPEAR	Martin		Martin, Wallters, Sebek	RSWCF	
SPEAR	Beam Monitoring and	16 .	Install PTS-500 signal generator B117-13 for Bergoz BPM's.	Martin		Martin, Sebek, Allison, Wallters		
SPEAR	Beam Monitoring and	17 .	Install Real-Time Spectrum Analyzer in B117.	Martin		Martin, Sebek, Allison, Wallters		
SPEAR	MPS	18 .	Re-flash the MPS CPU's and add some beam line (7) t/c.	Lessard				1
SPEAR	MPS	19 .	Remove old BL3 and BL4 cables	Horton				
SPEAR	RF - SPEAR	20 .	Visual inspection of the West Pit RF area and measurement of the Girder locations in preparation for the Booster RF upgrade project.	Park				
SPEAR	Mechanical	21 .	Mechanical inspections	Ernst	MSG	2- MSG Tech		1
SPEAR	Mechanical	22 .	Read SPEAR vacuum chamber and straight section LCW flow circuits	Ernst	MSG	2- MSG Tech		3
SPEAR	Mechanical	23 .	Inspect all pneumatic actuators	Ernst	MSG	2- MSG Tech		1

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SPEAR	Mechanical	24 .	Remove and install radiation shielding for new BTS-IV2 Vat-valve installation, req RSWCF	Ernst	MSG	2- MSG Tech	RSWCF	2
SPEAR	Mechanical	25 .	Install air line to hold new BTS-IV2 Vat-valve in the open position	Ernst	MSG	1- MSG Tech		1
SPEAR	Insertion Device	26 .	Dressing BL13 encoder cables (SPEAR access required]	Dao		Dao		1
SPEAR	Vacuum	27 .	Walk through	Neal	Vacuum	Pak		0.5
SPEAR	Vacuum	28 .	12SIG1 Long cable trouble shoot	Neal	Vacuum	Ortiz,Pak		3
SPEAR	Vacuum	29 .	TC installation for D. Dell'Orco at SPEAR septum	Neal		Ortiz, Pak		1