

**Note:**

**Entry into Accelerator housing:**

- a) All entry by Controlled Access
- b) Valid Job Hazard and Mitigation Analysis (JHAM) required
- c) Tunnel Hazards Training required
- d) Review of SPEAR Tunnel Area Hazard Analysis (AHA)
- e) Review of SPEAR Lock Down and Verification
- f) Review of planned work to identify if Lock and Tag required

**Work Authorization:**

- a) Prior authorization and completed Job JHAM and AHA processes are required to work on accelerator systems.
- b) For Non-SSRL Workers at SSRL - implement Interim Work Authorization Process

**Planning for Safety on the Job:**

- a) Apply Integrated Safety and Environmental Management System

## Accelerator Maintenance Day Tasks

1/8/2007

			Proj. Mngr	Shop	Task Person	Forms	(hr)
Access	Conditions:	1. SPEAR access: 6:30 to14:00 Injector access - 6:30 to 14:00					
		2. SPEAR - Power Supply Checks - 2 hrs after power restored					
		3. OUTAGES: 6am - 8am SPEAR tunnel lights out - Sectors 2 & 3 (due to electrical outlet hookup in B116 for BL12 ID chiller)					
		4. RSWCF Open: BTS-Faraday Cup					
Beamlines	7-2	5. BI7-2 mirror inspection.	Van	Vacuum		None	
			Proj. Mngr	Shop	Task Person	Forms	(hr)

# Accelerator Maintenance Day Tasks

1/8/2007

				Proj. Mngr	Shop	Task Person	Forms	(hr)
				<a href="#">Campen</a>				
Beamlines	Controls	6.	Replace photon BPM cpu board	<a href="#">Allison</a>			<a href="#">None</a>	
Beamlines	Vacuum	7.	Messer Light Bulb Replacements --- Out of Alcove	<a href="#">Rowen</a>	Vacuum	Bach, Spector	<a href="#">None</a>	1
		8.	BL12 plastic bag measurements for fabs --- In Alcove	<a href="#">Harrington</a>		Spector, Bach	<a href="#">None</a>	1
Inj	Facilities	9.	Install TC monitoring on outlet duct of HVAC in B140	<a href="#">Widmeyer</a>	ED&M	Ortiz, Wallters	<a href="#">None</a>	
Inj	Power Supplies	10.	Install the volt meters to existing main distribution switchboard in B140.	<a href="#">Chan-Hui</a>	CEF	Castillo	<a href="#">WAF, EWP</a>	
Inj - booster	I&C	11.	Punch 2 holes at top of rack B140-321 for grommet installation.	<a href="#">Martin</a>	ED&M	Taylor	<a href="#">None</a>	
		12.	Terminate and phase match Tune Monitor LMR cables in Booster -			Martin, Theobald, Wachter	<a href="#">None</a>	
Inj - booster	RF	13.	Replace current relay in Soft Start. Test during commissioning (after 4pm)	<a href="#">Park</a>	ED&M	Park, Wachter, Johnson, Taylor, Ortiz (testing)	<a href="#">EWP</a>	
Inj - BTS	I&C	14.	Faraday cup - Install connector on cable.	<a href="#">Widmeyer</a>	ED&M	Ortiz, Theobald	<a href="#">None</a>	
Inj - BTS	Power Supplies	15.	Replace B2-B6 power supply fan	<a href="#">Widmeyer</a>	ED&M		<a href="#">LOTO</a>	
				Proj. Mngr	Shop	Task Person	Forms	(hr)

# Accelerator Maintenance Day Tasks

1/8/2007

				Proj. Mngr	Shop	Task Person	Forms	(hr)
Inj - BTS	Vacuum	16.	Vent BTS, Install Faraday, Pumpdown BTS --- In Alcove	Scott	Vacuum	Nalls, Kaley	RSWCF	6
Inj, SPEAR	Fire Safety	17.	Monthly fire extinguisher check	Choi	Fac	Escobar	None	
Inj, SPEAR	Mechanical	18.	Mechanical inspections,	Ernst	MSG	1 MSG tech	None	.5
Inj, SPEAR	Vacuum	19.	Injector Booster Walkthru --- -Nalls .5 hrs. SPEAR Walkthru --- Pak .5 hrs. Beamline Walkthru --- Bach/Spector .5 hrs.	Neal	Vacuum	Nalls, Pak, Bach, Spector	None	
SPEAR	B132	20.	Install the exterior lighting in B132.	Chan-Hui	CEF	Castillo	WAF, EWP	
SPEAR	BL12 - ID	21.	Install the 250V, 20A, 2Poles power receptacle for chiller in B116	Chan-Hui	CEF	Castillo	WAF, EWP	
SPEAR	Control System	22.	Network switch configuration checks and re- configurations.	Clemens	CNG		None	4
SPEAR	I&C	23.	Electrical Inspection for Stored Current Interlock - inspect DCCT in SPEAR housing	Yotam	ESG	Yotam, Martin, Wallters		
SPEAR	Magnets	24.	Install clamp on fan to cool BTS-B9V corrector - (P. Anthony pre-approval)	Dell'Orco	MSG	1 MSG tech	None	.5
		25.	Install Omega temp stickers to BTS-B9V corrector coils,				None	.5
SPEAR	Mechanical	26.	Install 1/8" flow tube on BL-6 ID circuit and test with pump off,	Ernst	MSG	2 MSG tech	None	4
		27.	Discuss details on SPEAR downtime roof removal, 2 places for ID work,	Ernst, Scott		1 MSG DiMattia, Ernst	None	1
				Proj. Mngr	Shop	Task Person	Forms	(hr)

# Accelerator Maintenance Day Tasks

1/8/2007

				Proj. Mngr	Shop	Task Person	Forms	(hr)
SPEAR	Mechanical	28.	Install sound deadening materials on RF cavity piping,	Ernst	MSG	2 MSG techs	None	3
		29.	Install and stabilize new BL-12 U22 HEX-75 chiller, stabilize TC's S09R1C9 and S0R1C10 to average 25C.,			1 MSG tech	None	1
		30.	Install additional insulation on the BL-12 U22 ID Neomax lines,	Harrington			None	1
SPEAR	MPS	31.	Inspect, repair as required, and test 12G Raft 1 MPS Temp switches.	Widmeyer, (Lessard)	MPS, PPS	Ortiz, Johnson, Wallters	Test Procedure	
SPEAR	Power Supplies	32.	TC connection for 13GR1Ch2, weather permitting.	Widmeyer	ED&M	Ortiz	None	
		33.	Replace exhaust fan in Building 118 Rack 15.			Taylor	LOTO	
		34.	Calibrate 09G-QFX and 09S-CD4 power supplies in building 118 to prevent input voltage trips.	Rafael	ESG	Sekon	LOTO	
		35.	Replace MCC-03 indicator - Red LED. CEF Request # 085889.	Sekon	CEF	Francisco	WAF, EWP	
SPEAR	PPS	36.	Install cable for powering spare BSOIC (B118)	Widmeyer	ED&M		None	
SPEAR	RF	37.	Replace low level RF controls rack air conditioner	Park	CEF		WAF	
		38.	Recalibration of SPEAR klystron collector power interlock	Sebek	Klystron	Hill, Sebek	None	30 min
SPEAR	Vacuum	39.	9S-IG1 controller move to Zone 3 --- In Alcove	Neal	Vacuum	Ortiz, Pak	None	1.5
		40.	14G-IG-BL03 troubleshoot. Reads E-4T --- In			Pak	None	1
				Proj. Mngr	Shop	Task Person	Forms	(hr)

# Accelerator Maintenance Day Tasks

1/8/2007

		Proj. Mngr	Shop	Task Person	Forms	(hr)
	Alcove					
41.	9S-IG2 long cable troubleshoot --- In Alcove			Ortiz, Pak	None	1.5
42.	14S RGA Reset and troubleshoot --- In Alcove			Pak, Bach	None	2