

Note:

Entry into Accelerator housing :

- a) All entry by Controlled Access
- b) Tunnel Hazards Training required
- c) Familiarity with SPEAR Tunnel Area Hazard Analysis (AHA) required
- d) SPEAR Lock Down Verification available for review

Work Authorization :

- a) Prior authorization to work on accelerator via area manager & line manager
- b) For Non-SSRL Workers - implement Interim Work Authorization Process

Integrated Safety Manament System :

<p>Five functions</p> <ul style="list-style-type: none"> Define the Scope of Work Analyze the hazards Develop and Implement Controls Perform the Work Feedback and Improve 	<p>Seven Guiding Principles</p> <ul style="list-style-type: none"> Line Management Responsible for Safety Clear roles and responsibilities Competences Commensurate with Responsibilities Balanced Priorities Identification of Safety Standards and Requirements Hazard Controls Tailored to the Work Being Performed Operations Authorization
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People responsible for ensuring implementation of ISMS

- a) Workers
- b) PIC - person in charge
- c) RLM - responsible line manager

Accelerator Maintenance Day Tasks

3/10/2008

			PIC	Shop	Task Person	Forms	(hr)
Access	Conditions:	1.	SPEAR access: 6:30 to14:00				
Access	Conditions:	2.	SPEAR - Power Supply Checks - 2 hrs after power restored - RFHVPS check - starting 2pm				
Access	Conditions:	3.	OUTAGES:				

			PIC	Shop	Task Person	Forms	(hr)
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Accelerator Maintenance Day Tasks

3/10/2008

				PIC	Shop	Task Person	Forms	(hr)
Access	Conditions:	4.	RSWCF Open:					
SPEAR	I&C	5.	Check building 132 instrumentation Tc's - Ortiz	Ortiz	ESG			
SPEAR	Power Supply	6.	Replace MCOR6 Bulk Power Supply - bld. 118	Rafael	ESG		LOTO	1
SPEAR	BAS	7.	The BAS will expire before by the end of March 2008. The requirements for extending the BAS are that we: 1) Perform the Radiation Safety Items checks. 2) Perform the PPS Interlocks checks. This will require the full 10 hrs of maintenance day on Monday, and will be done by the operations crew.	Guerra	OPS	Accel operators		10
SPEAR	BCS	8.	Install SCI & TOSCI chassis in B132-102-R04. Troubleshoot as required.	Martin	ESG	Martin		
SPEAR	BCS	9.	Certify interlocks per procedure.	Martin	ESG	Martin		
Injector	2856 MHz Linac RF	10.	LINAC LLRF chassis inspection and air filter replacement	Wachter	ESG	Wachter		2
Injector	2856 MHz Linac RF	11.	Rack profile for 6 ch gain/phase installation	Wachter	ESG	Gierman, Wachter		1
SPEAR	RF	12.	Preventitive maintenance on RF HVPS HPVP lockdown 7am (Kang)	Sebek	PCD	PCD, Larrus	LOTO	4
				PIC	Shop	Task Person	Forms	(hr)

Accelerator Maintenance Day Tasks

3/10/2008

				PIC	Shop	Task Person	Forms	(hr)
SPEAR	Mechanical Systems	13.	Mechanical inspections	Ernst	MSG	1 tech		1
SPEAR	Mechanical Systems	14.	Paint exposed lead	Ernst	MSG	1 tech		2
SPEAR	Mechanical Systems	15.	Finish QFC Cir-4 tubing	Ernst	MSG	2 tech		6
SPEAR	Mechanical Systems	16.	Adjust RF cavity & Klystron LCW pressure	Ernst	MSG	2 tech		2
SPEAR	Mechanical Systems	17.	LION cable, check system for testing	Ernst	MSG	1 tech		1
SPEAR	Mechanical Systems	18.	Collect girder paint samples for analysis - paint on some girders need touch-up Drawing callout is for Amercoat 335 which may contain lead	Ernst	MSG			
SPEAR	Mechanical	19.	Field measurements: - BL14 Front End - Injection Raft	Busse Franklin	BLD ASD			
SPEAR	Insertion Device	20.	Verify the BI 12-2 undulator torque limiter is set to 10 N-m and lock in this position with missing M5 set screw. (Removal of drive safety cover required)	Ringwall	BLD	Ringwall, MSG	LOTO (motor)	
				PIC	Shop	Task Person	Forms	(hr)

Accelerator Maintenance Day Tasks

3/10/2008

				PIC	Shop	Task Person	Forms	(hr)
SPEAR	Insertion Device	21.	Troubleshoot torque limit switch for BL12 ID	Dao	ESG	Dao, Wallters		2
SPEAR	Insertion Device	22.	Replace the upper gap encoder for BL13 ID	Dao	ESG	Dao, Rarback, Wallters		3
SPEAR	Vacuum	23.	Walk-thu	Nalls	Vacuum	Pak		0.5
SPEAR	Vacuum	24.	16G-IG-TSP2 - check long line cable	Ortiz	ESG	Ortiz, Pak		1
SPEAR	Vacuum	25.	Check the collectors '0' reading gauges 03G-IG-TSP2, 14G-IG-BL03 and 17G-IG-BL04 (5min each)	Nalls	Vacuum	Pak, Ortiz		
SPEAR	Vacuum	26.	Switch out 18S-IG-RF4 (filament shuts off dumps beam) controller with spare. Leave on bypass until stable. Trouble shoot if needed.	Nalls	Vacuum	Pak		

PIC Shop Task Person Forms (hr)