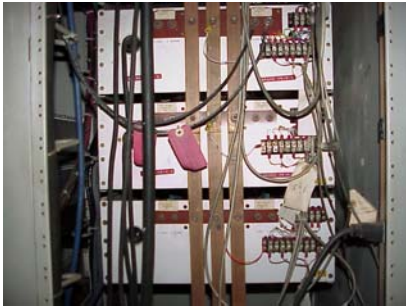


**\*\* SPEAR/Beamline Maintenance list for Monday 1/13/03 \*\*****Guidelines for the SPEAR 8 hour maintenance/down period.**

- Beam dumped at 06:00 for maintenance.
- Access ~06:30
- Lock & Tag as necessary upon entry.
- Remove L&T upon leaving!
- Check in with Operations prior to access and after access.
- Inform SPEAR operations of status maintenance task at end of each day.
- The Accelerator Systems Managers MUST be involved with all activities related to their systems.
- SPEAR Operations & Accelerator System Managers MUST confirm that systems are ready for operations prior to 14:00 on Monday

**\*\* SPECIAL instructions:****"BOOSTER NO ACCESS for 3GEV RF TEST"**

	<b>SP3:</b>		
1.	Measurements of the servo power spectral density (background noise) for all eleven photon monitors.	Dao	2 Hrs
2.	Identify and documents cables for the Insertion Device to be pulled back for SP3 installation	Wallters, Dao	6 Hrs
3.	a) Read elevations to the existing concrete slabs inside the ring and to place a few "minimum cut points" in one of the quadrants. b) Also, general access for measurements and such for S3.	King, Boyce	2 Hrs
4.	Replacing fan on the 17A5 trim supply.	Taylor, C.	6 Hrs
			
5.	Verify existing LO Fan out can be reused for SP3 LO fan out and that there are drawings of the unit.	Wachter, J.	2 Hrs

**\*\* SPEAR/Beamline Maintenance list for Monday 1/13/03 \*\***

6.	Cable length measurements for SP3 BPM, using ropes, inside the SPEAR enclosure.	Martin	8 Hrs
7.	PPS documentation work	Lessard	2 Hrs
8.	Walk down for cable tray and cable locations.	Fuller	8 Hrs
9.	Install the SPEAR LCW RTD/Controller Transmitter MSG/Electrical	Nzeadibe	4 Hrs
10	Set the pressure regulating valves (PRV) for SPEAR3 Klystrons supply LCW/ MSG group	Nzeadibe	2 Hrs
	<b>MSG:</b>		
1.	Mechanical Inspections SPEAR	Huber, Horton	1 Hr
2.	SPEAR Mechanical Inspections,	N. Horton	1 Hr
3.	SPEAR 2 removal/ labeling	Ernst, D.	3 Hrs
4.	Turn on SP3 Klystron LCW and set regulator pressure	Woodcock	1 Hr
5.	Turn off/on SPEAR LCW boost pump, set new pressure ramping set points	DiMattia, Ernst	1 Hr
6.	Finish SPEAR 3 stenciling	Dominguez	3 Hrs
7.	Inspect/repair east pit sump alarm float	DiMattia, Horton	1 Hr
8.	Check/troubleshoot water tank alarm system, replace bad relay?	Woodcock	1 Hr
	<b>Vacuum:</b>		
1.	Vacuum visual walkthru SPEAR 2 and Beamlines.	Neal, Wiertel	1 Hr
2.	Review SPEAR2 component removal scenario(s).	NanYang, Morales, Neal	1 Hr
3.	Vacuum visual walkthrough, checking on SPEAR2 and Beam Line components.	Wiertel, Neal, Morales	5 Hrs
4.	Attach SPEAR2 component labels Remove/Store, Salvage, Save.	Neal, Jacobson, Morales	3 Hrs
5.	Attach BL component labels-- Remove/Store, Salvage, Save.	Wiertel, Neal	4 Hrs

**\*\* SPEAR/Beamline Maintenance list for Monday 1/13/03 \*\***

6.	Remove T/C and heater tape ends attached to SPEAR2 girder chambers.	Morales, Jacobson	2 Hrs
7.	BL6 in-alcove: Reroute or install LN2 boiloff lines.	Wiertel, Jacobson	6 Hrs
8.	BL5 in-alcove: Reroute or install LN2 boiloff lines.	Nalls	2 Hrs
<b>BeamLine:</b>			
2.	Review/ photograph BL1 area for final light monitor design.	Ringwall, Kosovsky	½ Hr.
3.	<ul style="list-style-type: none"> <li>a) Conducting SP2 demo &amp; SP3 installation planning recons. I also anticipate that Larry &amp;/or</li> <li>b) Tom will mark vacuum hardware for removal.</li> <li>c) Checking on BL1 in Alcove component positions vis the 10<sup>th</sup> scale drawing.</li> </ul>	Rabedeau, BLD, Wiertel, Neal	8 Hrs
4.	Adjust the limit on the 10-2 M0 tilt motion.	Tompkins	2 Hrs
<b>Booster -- NO ACCESS</b>			
1.	Booster - No Access Run RF at 3 Gev level.	Park, S.	6 Hrs
2.	Add SCR reset switch in RF station controller chassis. (may be deferred)	Wachter, J.	6 Hrs
3.	Install ACM preamp shelf in BTS tunnel.	Trautwein, Horton	2 Hrs
4.	Install new CAMAC crate for BTS BPMs.	Ortiz, R.	8 Hrs
5.	"Profile Monitor Cameras, inspect and repair as necessary.	Calloway, D.	4 Hrs
6.	Mechanical Inspections Injector	Horton	1 Hr
<b>Facilities:</b>			
1.	Electrical investigation SPEAR & Yard.	Shewchuk, L.	3 Hrs

Updated 01/10/03

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**\*\* SPEAR/Beamline Maintenance list for Monday 1/13/03 \*\***