

_____ (LPRHIC) _____ lock# _____ tag# _____ date

4. _____ (LEU) U-line upstream area shielding and barriers inspected and acceptable.
5. _____ (LEU) U-line downstream area shielding and barriers inspected and acceptable.
6. _____ (LEV) V-Block house shielding and barriers inspected and acceptable for AtR operations.
7. _____ (LEU) W-line area shielding and barriers inspected and acceptable.
8. _____ (LEU) Steel block in place at the front of the U line spur near the collimator downstream of WD1.
9. _____ (LEU) Berm Fence Inspected.
10. _____ (RCD) Post AtR Berm Fence as follows:
Radiation Area, Controlled area, RWP required, RWP located at the bldg. 911 training office. Contact MCR prior to entry at x-4662.
11. _____ (RCD) Post AtR beam Access gates as follows:
High Radiation Area w/Beam On, Radiation Area, Controlled area, RWP required, RWP located at the bldg. 911 training office. Contact MCR prior to entry at x-4662.
12. _____ (IGH) Chipmunks required for beam to W dump in place (See attached list).
13. _____ (ACG) Chipmunks required for beam to the W dump have interlock function checked (See attached list).
14. _____ (ACG) PASS tests complete for running beam to the W-line dump.
15. _____ (MCRGL) Procedure in place to limit the number of Au ions lost in AtR.
16. _____ (ACG) Active temporary changes/bypasses in place for AtR have been reviewed with RSCC.
17. _____ (ACG) LTB RS LOTOed off to prevent protons from LINAC.
18. _____ (RCD) Building 1000P posted as a controlled area TLD required.
19. _____ (RCD) U-line dehumidifier room ('igloo') posted as Controlled Area – TLD required.

20.____(OC) Berm fenced area swept and secured.

21.____(LPU) U, V, W, lines ready for heavy ion Beam to the W dump.

22. ____ (OC) Completion of above items verified by on-duty operations coordinator.

When the list above is complete then Au may be extracted from the AGS to the W-line Beam Dump.

- RCD: Radiation Controlled Division (P. Bergh or designate)
- LEU: D. Phillips
- LEV: A. Pendzick
- LPU: V. Schoefer
- LPRHIC: A. Drees
- MCRGL: MCR Group Leader: Peter Ingrassia (or designate)
- RSCC: Radiation Safety Committee Chairperson: D. Beavis or designate
- OC: Operations Coordinator
- ACG: Access Control Group (J. Reich or designate)
- RCT : Radiation Control Technician

U-LINE CHIPMUNKS

Name	Location	Interlock- (Alarm) Level [mrem/hr]	Comments
NMO210	On berm downstream of VQ9 next to NMO209	(4.0)	
NMO213	Outside gate UGE1 (upstream entrance to U-line)	20.0 (4.0)	
NMO81	Inside UGE2	20.0 (5.0)	
NMO86	Inside UGE3	50.0 (20.0)	

W-LINE CHIPMUNKS

Name	Location	Interlock (Alarm) Level mrem/hr	Comments
NMO216	South edge of Thompson Rd. above Y-line.	2.5 (1.0)	
NMO217	South edge of Thompson Rd. above X-line.	2.5 (1.0)	
NMO237	North edge of Thompson Rd. above Y-line	2.5 (1.0)	
NMO238	North edge of Thompson Rd. above X-line	2.5 (1.0)	
NMO218	Inside weather door at gate WGE2	20.0 (2.0)	