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Reviewed by: Dana Beavis
Date: 1/12/09
Approved by: D. I. Lowenstein
Date: 1/12/09

AtR CHECK-OFF LIST
AGS INJECTION AND CIRCULATING BEAM
WITH NO BEAM EXTRACTED TO U LINE

NOTE: Completion of this check-list is required in order to inject any ion species, including polarized protons, into the AGS. High Intensity proton operation is prohibited. No beam is to be extracted from the AGS to the U Line.

FEB LOCKED OUT BY:

1. _____(LP) H10 Ejector Magnet Power Supply Locked out

_____(Date/Time)
_____(Tag No.)
_____(Lock No.)
_____(Date/Time Tag Removed)

2. _____(LP) UD1 and D2 (UARC4) Power Supply Locked Out

_____(Date/Time)
_____(Tag No.)
_____(Lock No.)
_____(Date/Time Tag Removed)

NOTE: When **BOTH** the [G09C_DC Bump] **AND** [H11C_DC Bump] are in RSC LOTO, **EITHER** the H10 Ejector (item #1 above) **OR** UD1&2 (item #2 above) (**NOT BOTH**) may have the RSC LOTO removed.

The following RSC LOTO (items #3 and #4 below) are in place of, (Liaison Physicist initial only ONE of the items in the line below),

_____(LP) H10 Ejector OR _____(LP) UD1&2

3. _____(LP) G09C_DC Bump Power Supply Locked Out

_____(Date/Time)
_____(Tag No.)
_____(Lock No.)
_____(Date/Time Tag Removed)

4. _____(LP) H11C_DC Bump Power Supply Locked Out

_____(Date/Time)
_____(Tag No.)
_____(Lock No.)
_____(Date/Time Tag Removed)

Comments:_____

_____

_____

5. _____(RCT) Radiation Postings on UGE1 Gate and UGI1 (Interior to U line) Gate.

6. _____(ACG) Active bypasses and temporary changes have been reviewed with the RSCC.

6. _____(LP) U Line ready for AGS injection and acceleration of all ion species, including polarized protons but NOT high intensity protons..

7. _____(OC) List completion verified by on duty operations coordinator.

The Main Control Room may now inject and accelerate beam in the AGS.
NO BEAM EXTRACTION TO U LINE IS PERMITTED.

MCR OC is responsible to ensure Radiation Surveys of the area are done at the earliest possible time.

ACG	Access Controls Group (J. Reich or designate)
IG	Instrumentation Group (R. Atkins or designate)
RSCC	Radiation Safety Committee Chair (D. Beavis or Designee)
LP	Liaison Physicist AtR (K.A. Brown/N. Tsoupas or designate)
RCT	Health Physics (Radiation Control Technician on duty)
OC	MCR Operations Coordinator (O.C. on duty)