

Prepared by: Vincent Schoefer
 Date: November 9, 2010
 Reviewed by: *[Signature]*
 Date: 12/10/10
 Approved by: *[Signature]*
 T. Roser
 Date: 12/10/10

**AIR CHECK-OFF LIST
 AGS INJECTION AND ACCELERATED BEAM
 WITH NO BEAM EXTRACTED TO U LINE**

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.

NOTE: When **BOTH** the [G09C_DC Bump] **AND** [H11C_DC Bump] are in RS LOTO, **EITHER** the H10 Septum **OR** UD1&2 **NOT BOTH** may have the RS LOTO removed.

One of the following boxes A or B needs to be filled out in its entirety in order to satisfy this check-off list.

FEB Locked out by: H10 Septum and UD1&2, use lockout option A

FEB Locked out by: (H10 Septum OR UD1&2) AND (G09 Bump AND H11 Bump), use lockout option B

Lockout option A	Lockout option B
<p>A1. ____ (LPU) H10 Septum Magnet Power Supply Locked out</p> <p align="center">AND</p> <p>A2. ____ (LPU) UD1 and D2 (UARC4) Power Supply Locked Out</p> <p><i>H10 Septum Magnet Power Supply Locked out</i></p> <p>____ (Date/Time) ____ (Tag No.) ____ (Lock No.)</p> <p><i>UD1 and D2 (UARC4) Power Supply Locked Out</i></p> <p>____ (Date/Time) ____ (Tag No.) ____ (Lock No.)</p>	<p>B1. ____ (LPU) <i>Either</i> the H10 Septum <i>or</i> the UD1&2 power supply has been locked out. Indicate which here: _____</p> <p align="center">AND</p> <p>B2. ____ (LPU) The G09C DC Bump <i>and</i> the H11C DC Bump power supplies have been locked out.</p> <p><i>H10 Septum or UD1&2 Power Supply Locked out (item indicated in B1)</i></p> <p>____ (Date/Time) ____ (Tag No.) ____ (Lock No.)</p> <p><i>G09C_DC Bump Power Supply Locked Out</i></p> <p>____ (Date/Time) ____ (Tag No.) ____ (Lock No.)</p> <p><i>H11C_DC Bump Power Supply Locked Out</i></p> <p>____ (Date/Time) ____ (Tag No.) ____ (Lock No.)</p>

3. ____ (RCT) Radiation Postings on UGE1 Gate and UGI1 (Interior to U line) Gate in place.
4. ____ (LPU) U Line ready for AGS injection and acceleration of all ion species, including polarized protons but NOT high intensity protons..
5. ____ (OC) Completion of above list items 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.

ACG	Access Controls Group (J. Reich or designate)
IG	Instrumentation Group (R. Atkins or designate)
LPU	Liaison Physicist AtR (V. Schoefer or designate)
RCT	Health Physics (Radiation Control Technician on duty)
OC	MCR Operations Coordinator (O.C. on duty)

Heimerle, Marion V

From: Heimerle, Marion V
Sent: Monday, December 06, 2010 1:36 PM
To: Asselta, Sandra L; Ben-Zvi, Ilan; Blas, Gladys; Blydenburgh, Tracy R; Bubka, Steven; Cantelmo, Doreen; Collins, Dolores A; DiFilippo, Lynanne; Fischer, Wolfram; Heimerle, Marion V; Karol, Raymond C; Kuczewski, Stacey; Lamberti, Ann; LaMontagne, Stephanie H; Lessard, Edward T; Luhrs, Ann Marie; Manning, Pamela; Meyer, Christine; Petway, Annabelle; Pile, Philip H; Rivera, Nina; Roser, Thomas; Sandberg, Jon N; Tuozzolo, Joseph E; Vigdor, Steven; Zukowski, Elaine D
Subject: Delegation of Authority - Thomas Roser

Thomas Roser will be away from the Laboratory during the period of Tuesday, December 7 through and including Sunday, December 12, 2010. During this time, Wolfram Fischer will act on Thomas' behalf for all matters pertaining to the Collider-Accelerator Department. Wolfram may be reached at ext. 5452 or by e-mail at wfischer@bnl.gov.

Marion V. Heimerle
Assistant to Thomas Roser, Chair
Assistant to Derek I. Lowenstein, Assoc. Chair
Collider-Accelerator Department, Bldg. 911B
35 Lawrence Drive
Brookhaven National Laboratory
P.O. Box 5000
Upton, NY 11973-5000 USA
Fax: 631-344-5954
Phone: 631-344-4619
Email: heimerle@bnl.gov