

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are available by contacting the **ESSHQ Procedures Coordinator, Bldg. 911A***

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.j Tandem to Booster (HEBT/TTB) Crossover Sweep Checklist

C-A-OPM Procedures in which this Attachment is used.		
4.56		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
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Approved: _____ *Signature on File* _____
 Collider-Accelerator Department Chairman Date

P. Ingrassia

TANDEM TO BOOSTER (HEBT/TTB) CROSSOVER SWEEP CHECKLIST

(Team Leader) _____ (Operator 2) _____

Time: _____ Date: _____

Warning:

IF any personnel are encountered during the sweep, **THEN** determine whether their work will be completed in a short time. **IF** the work will take a long time, **THEN** contact the OC to see if the sweep should be aborted. **IF** the work will be completed in a short time, **THEN** write the name(s) of the workers at the end of the checklist and verify that they leave the enclosure **WITH** the sweep team.

Prerequisites

- Two Operators to perform the sweep
- Keys, H705, AA256A, BNL3
- C-A-OPM-ATT 4.56.j "TANDEM TO BOOSTER (HEBT/TTB CROSSOVER SWEEP CHECKLIST" (1 page)
- TLD, Alarming (chirping) Self Reading Dosimeter (SRD)
- TTB beam stops 1 & 2 are closed (see MCR_2- 1G3, G4)
- Tank 1 beam stops are closed (View Linac Control Room camera at MCR_1-1)
- No TTB beam stop failure is indicated (see MCR_2-1G4)
- The Linac is in the Restricted Access state (view Security PC).
- Flashlight

Check

- ____ 1. Team Leader and Operator 2 enter the Linac HEBT Gate (simultaneously push OPEN button and pull door knob).
- ____ 2. Team Leader and Operator 2 proceed to N322 Gate. IF the N322 Gate is reset (amber reset light lit ACS 5032 box) THEN skip the following steps and resume the procedure with step 9 (nine).
- ____ 3. IF the N322 Gate is NOT reset THEN Team Leader and Operator 2 open (AA256 key in ACS 5032 box key switch) and pass through the gate.
- ____ 4. Team Leader and Operator 2 proceed to downstream end (AGS HEBT door) of the tunnel.
- ____ 5. Team Leader stands static watch while Operator 2 proceeds to HEBT penetration of AGS tunnel wall.
- ____ 6. Operator 2 sweeps the downstream end of tunnel and meets Team Leader at AGS HEBT door.
- ____ 7. Team Leader resets (H705) HTB/ HEBT RESET STATION to the right of the AGS HEBT door, above phone.
Note: the amber indicator (HTB/HEBT Reset Station) will light when the door is reset.
- ____ 8. Team Leader and Operator 2 sweep back upstream through the N322 Gate.
Note: reset (BNL3 key) is required whenever the AGS will be operated.
Note: IF AGS OR Linac is in Controlled Access then N322 may be reset.
- ____ 9. Team Leader and Operator 2 sweep upstream to the TTB -- HEBT junction.
- ____ 10. Team Leader stands static watch while Operator 2 proceeds to the downstream end of the TTB spur.
- ____ 11. Operator 2 sweeps upstream and rejoins the Team Leader.
- ____ 12. Team Leader and Operator 2 sweep upstream and sweep through the Linac HEBT Gate.
- ____ 13. Team Leader resets (H705 key) (5114 box to the right of the gate).
Note: the amber indicator will light when the door is reset.
- ____ 14. Team leader notifies the MCR that the TTB/HEBT crossover is reset and asks for verification (security computer that both AGS-HEBT and Linac-HEBT gates are reset).
- ____ 15. File the checklists in FYxx Sweep log binder.