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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.k SEB "A" Target Primary Cave 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

## SEB "A" TARGET PRIMARY CAVE SWEEP CHECKLIST

(Team Leader) \_\_\_\_\_ (Operator 2) \_\_\_\_\_

Time: \_\_\_\_\_ Date: \_\_\_\_\_

**Warning:**

If any personnel are encountered during the sweep, **then** they will remain with the sweeper or the sweep shall be aborted. **If** the sweep is aborted **then** the person(s) must be escorted out of the cave by unlocking and opening the "A" Target Cave Gate.

### **Prerequisites**

- Two Operators to perform the sweep
- Keys: BNL-11, BNL-15, AA225, AA256A
- C-A-OPM-ATT 4.56.k-- SEB "A" TARGET PRIMARY CAVE SWEEP CHECKLIST (2 pages)
- Controlled Access enabled by simultaneous operation of H693 key in AGS key-switch and MCR\_2-1S2 pushbutton
- TLD, Alarming (chirping) Self-Reading Dosimeter (SRD)
- "A" Target toggle switch is set to CA (Terminal Room 215, Bldg. 911B)
- Portable Radio/Flashlight

### **Initial**

- \_\_\_\_\_ 1. Both operators -- Enter "A" Target Gate (BNL-11 and AA225 keys) and lock (BNL-15 key) the gate behind you.
- \_\_\_\_\_ 2. Both Operators -- Sweep to the junction of the upstream/downstream labyrinths.
- \_\_\_\_\_ 3. Team Leader instructs Operator 2 to stand static watch at the junction of the upstream and downstream labyrinths, while the Team Leader sweeps the upstream end of the cave and "A" Target area.

**Caution:**

The region near the target is posted as High Radiation and Contamination Area.

- \_\_\_\_\_ 4. Team Leader sweeps (to the right) the upstream labyrinth and halts where the labyrinth ends in the upstream portion of "A" target cave.

- \_\_\_\_\_ 5. Team Leader sweeps right to the upstream end of AQ7 and views the upstream end of the cave.
- \_\_\_\_\_ 6. Team Leader sweeps downstream (still beam left in A line) and views the beam right portion of the cave.
- \_\_\_\_\_ 7. Team Leader views the target area and returns to the mouth of the labyrinth.
- \_\_\_\_\_ 8. Team Leader proceeds to the junction of the upstream and downstream labyrinths and contacts Operator 2 by giving them this checklist (Operator 2 initials this step).
- \_\_\_\_\_ 9. Both sweep (to the left) the downstream labyrinth and proceed to A2Q4.
- \_\_\_\_\_ 10. Team Leader stands static watch opposite A2Q4 while Operator 2 sweeps the downstream portion of the "A" target primary cave and fills out this checklist.
- \_\_\_\_\_ 11. Operator 2 turns right and sweeps upstream (beam left) of the A2 line to A2D2, passes under both the A2 (downstream of A2Q2) and A1 lines (downstream of A1Q2).
- \_\_\_\_\_ 12. Operator 2 sweeps upstream, on the beam right side of A1, towards A1Q1.
- \_\_\_\_\_ 13. Operator 2 sweeps downstream (beam right) of A1 line towards A1D4, while searching under A1.
- \_\_\_\_\_ 14. Operator 2 searches the top of the shielding at the downstream end of the A1 portion of the cave.
- \_\_\_\_\_ 15. Operator 2 sweeps under the A1 line (downstream of A1D4).
- \_\_\_\_\_ 16. Operator 2 sweeps to the mouth of the labyrinth by sweeping under the A2 line at the point upstream of A2D3 (wedged in the shield wall).
- \_\_\_\_\_ 17. Operator 2 searches the area around the above A2D3.
- \_\_\_\_\_ 18. Operator 2 contacts Team Leader and gives them this checklist (Team Leader initial this step).
- \_\_\_\_\_ 19. Team Leader and Operator 2 sweep through the labyrinth, unlock (BNL-15 key) the gate, and exit through the "A" Target Gate.
- \_\_\_\_\_ 20. Team Leader locks and resets (BNL-11 key) the "A" Target Gate.
- \_\_\_\_\_ 21. Team Leader verifies with MCR that "A TGT" is reset for beam by viewing the indicators at:
 

MCR_2-1S7	A TGT GATE
MCR_2-1S11	A TGT CAVE
- \_\_\_\_\_ 22. File the checklists in the section of FYXX Sweep Log Binder for completed "A" Target checklists.