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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.b AGS Cursory 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

## AGS CURSORY SWEEP CHECKLIST

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

(Operator 3) \_\_\_\_\_ (Gate Watch) \_\_\_\_\_

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 **OR** that their names are recorded on the gate log sheet.

### Prerequisites

- Three Operators to perform the sweep
- IF persons will remain in the ring during the sweep THEN a fourth person will act as gate watch.
- [C-A-OPM-ATT 4.56.b](#) "AGS CURSORY SWEEP CHECKLIST"(2 pages)
- [C-A-OPM-ATT 4.56.a](#) (last page)"AGS RING SWEEP" map (1 page) For Team Leader
- [C-A-OPM-ATT 4.1.a](#) "C-A GATE SECURITY LOG SHEET" (1 page) For gate watch (if used).
- C-A-OPM-ATT 4.1.a "C-A GATE SECURITY LOG SHEET" (1 page) For Operator 3.
- Key: BNL-13
- Two portable radios
- TLD, Alarming (chirping) Self Reading Dosimeter (SRD) and Pencil Type (SRD)
- Controlled or Restricted Access LOTO has been performed (C-A-OPM 2.6.1 Attachments a or b)
- AGS beam stops are closed (see MCR\_2-11J7, MCR\_2-11J8 -- F6/DH2-3)

### **Note:**

**IF** the number of AGS Controlled Access entries exceeds 25 persons or the gate has been opened for more than four hours, **THEN** a cursory sweep is indicated. **IF** the AGS accelerated Heavy Ions before the entry, **THEN** perform the sweep as indicated. **IF** the AGS accelerated Protons before the entry, **THEN** consult the RSC Chairperson or the ESHQ Associate Chair to determine whether the sweep should include a person on the (inside) catwalk.

### **Note:**

Use a gate watch if the sweep will take place while workers remain in the ring.

### Check

- \_\_\_ 1. IF a gate watch is used, THEN instruct the gate watch to log, on the C-A Gate Security Log Sheet, all persons who exit the ring.
- \_\_\_ 2. IF a gate watch is used, THEN instruct the gate watch to **deny** entry to the ring to those persons who do not have the approval of the Operations Coordinator.

CONTINUED ON REVERSE SIDE

- \_\_\_ 3. The sweep team enters the AGS ring at the South Gate. IF no gate watch is used, THEN lock the gate from the inside using the BNL-13 key.
- \_\_\_ 4. Team Leader instructs Operator 3 to stand static watch at the end of the South Gate ramp opposite E16-E17 main magnets.

**Warning:**

Operator 3 shall ensure that IF someone passes by, either on the catwalk or in the main aisle, THEN their name shall be recorded on C-A-OPM-ATT 4.1.a – C-A GATE SECURITY LOG SHEET

- \_\_\_ 5. IF one sweeper will walk the inside catwalk, THEN, both Operators proceed to the bridge over the main magnet at E15 and Operator 2 shall cross over the ring to the catwalk.
- \_\_\_ 6. Both Operators walk in the same direction (clockwise or counter-clockwise around the ring).
- \_\_\_ 7. When doors or reset stations are encountered during the sweep, one person shall check that all doors and/or reset station (as shown on the AGS RING SWEEP map) is closed and reset while the other sweeper stands static watch.

**Note:**

As one operator checks doors and resets, the other operator shall stand static watch.

- \_\_\_ 8. Team Leader shall record on the AGS RING SWEEP map:
  - personnel encountered by the sweep team resets checked
  - unusual conditions
- \_\_\_ 9. After one circuit of the ring, both operators re-join Operator 3 at the South Gate Ramp.
- \_\_\_ 10. Three Operators sweep out of the enclosure.
- \_\_\_ 11. IF workers remain in the ring, THEN maintain a gate watch, ELSE, Team Leader shall reset the South Gate with the BNL13 key AND go to step 14 of this checklist.
- \_\_\_ 12. Check ONE of the following (item 12a or 12b).
  - \_\_\_ 12a IF a gate watch was used, THEN Team Leader and Operator 3 shall enter the names of persons encountered in the ring (if any) onto the AGS Gate Security Log Sheet kept by the gate watch.
  - \_\_\_ 12b IF a gate watch was not used AND persons were encountered in the ring, THEN Team Leader shall instruct Operator 3 to stand gate watch, AND shall verify that the names of persons encountered by Operator 3 (if any) and the names of persons encountered by the sweep team, are recorded on the C-A Gate Security Log Sheet kept by the gate watch.
- \_\_\_ 13. When all persons have exited the ring, reset the South Gate with the BNL13 key.
- \_\_\_ 14. When all persons have exited the ring, Team Leader shall verify that all AGS gates are secured by using the Security PC.