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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.aw RHIC Zone 11z1 Sweep Checklist

Text Pages 2 through 3

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, W. MacKay

## RHIC Zone 11z1 Sweep Checklist

TL (TL) \_\_\_\_\_ S2 (S2) \_\_\_\_\_

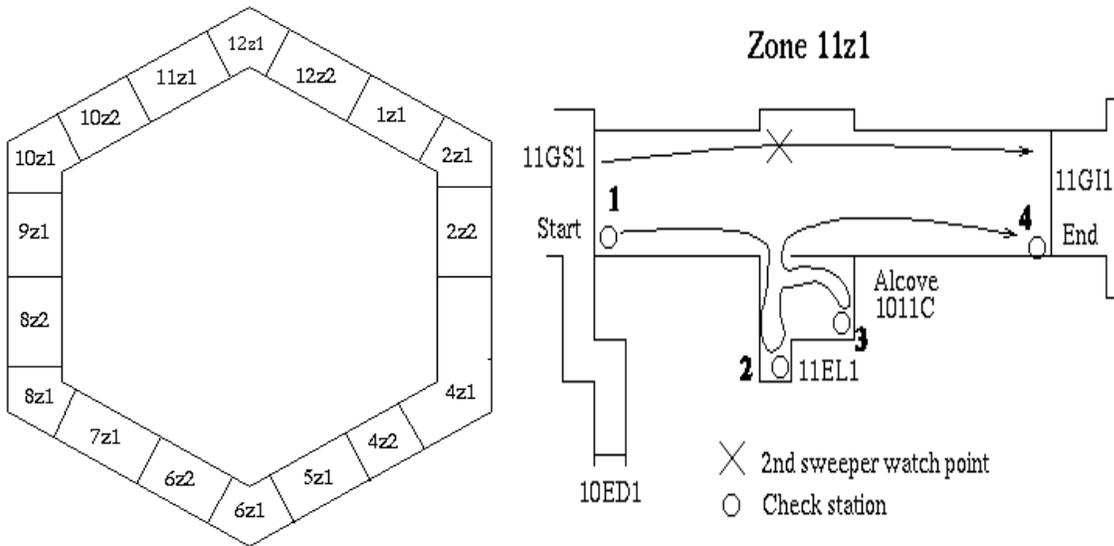
Time: \_\_\_\_\_ Date: \_\_\_\_\_

**Warning:**

**IF** any workers are encountered during the sweep, **THEN** contact the OC to see if the sweep should be aborted. Workers shall leave the enclosure **WITH** the sweep team. **IF** the workers crash out of the enclosure **AND** do not exit with the sweep team, **THEN** the sweep shall be re-started.

Prerequisites

- Two persons to perform the sweep,
- At least one sweeper not restricted from working at heights over five feet.
- RHIC Zone 11Z1 Sweep Checklist (two pages)
- Required Tools: at least one flashlight,
- Walkie-talkies
- All Doors closed THEN 11z1 set to Controlled Access
- Keys: Sweep Reset key S/R015, Controlled Access key CA014



Note:

References to positions in the tunnel are made using the RHIC magnets. The identity of the local magnet can be determined by looking up at the "lower" cable tray and reading the magnet name on a blue (B) or yellow (Y) label. For example, the convention used is: I05Q17 (Inside, Q17) or O-05Q17 (Outside, Q17). References are for inside locations and are visible only by the TL

**CONTINUED ON REVERSE SIDE**

check

- \_\_\_ 1. Sweep team goes to gate 11GI1 TL requests simultaneous release from MCR.
- \_\_\_ 2. TL opens 11GI1 gate by turning the CA014 key clockwise, in the Controlled Access key-switch while Operator in MCR presses simultaneous release for 11GI1.
- \_\_\_ 3. Sweep Team walks to 11GS1 doors. (TL inside and Sweeper 2 outside).
- \_\_\_ 4. TL resets 11GS1 by turning S/R015 key in the RESET kwyswitch at 11GS1-I
- \_\_\_ 5. TL observes RESET lamp light
- \_\_\_ 6. TL STARTS SWEEP by turning the S/R015 key CW in the SWEEP key-switch on 11GS1-I (11CS1).
- \_\_\_ 7. TL observes AREA SECURED lamp blink once.
- \_\_\_ 8. Sweep team sweeps Clockwise (CW) around RHIC.
- \_\_\_ 9. TL stops to check the Exhaust Fan Vent Barrier at I11Q17D16.
- \_\_\_ 10. Sweep team sweeps Clockwise (CW) around RHIC.
- \_\_\_ 11. S2 stands static watch at the electrical services alcove opposite I11Q13.
- \_\_\_ 12. TL enters the alcove and goes to the ladder at 11EL1.
- \_\_\_ 13. IF there is no mirror to verify no one is on the landing at the top of the ladder, THEN TL must climb the ladder to verify no one is on the landing and to check that 11EL1 is closed.
- \_\_\_ 14. TL resets gate 11EL1 using the S/R015 key in the Reset keyswitch at the bottom of the ladder.
- \_\_\_ 15. IF 11EL1 will not reset THEN TL climbs the ladder, closes 11EL1, then repeats step 14.
- \_\_\_ 16. TL observes RESET lamp lights after RESET.
- \_\_\_ 17. TL sets second check station (11CS2) by turning S/R015 key in the SWEEP keyswitch.
- \_\_\_ 18. TL observes AREA SECURED lamp blink once.
- \_\_\_ 19. TL searches goes to the far corner of the alcove to 11CS3.
- \_\_\_ 20. TL sets third check station (11CS3) by turning S/R015 key in the SWEEP keyswitch.
- \_\_\_ 21. TL observes AREA SECURED lamp blink once.
- \_\_\_ 22. TL checks inside EVERY rack and then sweeps out the alcove and joins S2.
- \_\_\_ 23. TL checks fan vent barrier on vent above S2 and verifies barricade is in place in the ceiling above S2.
- \_\_\_ 24. Sweep team sweeps Clockwise (CW) around RHIC.
- \_\_\_ 25. Sweep Team stops to check the inner and outer Exhaust Fan Vent Barriers at I11DU7.
- \_\_\_ 26. Sweep team sweeps Clockwise (CW) around RHIC.
- \_\_\_ 27. TL ENDS SWEEP by turning the S/R015 key in the SWEEP keyswitch on 11GI1-I (11CS4).
- \_\_\_ 28. TL observes the yellow AREA SECURED lamp is lighted
- \_\_\_ 29. TL contacts MCR for simultaneous release for gate 11GI1.
- \_\_\_ 30. Sweep Team sweeps out 11z1 through their respective 11GI1 doors.
- \_\_\_ 31. TL resets gate 11GI1 using the S/R015 key in the Reset keyswitch at 11GI1 on 12z1 side
- \_\_\_ 32. TL observes the yellow RESET lamp is lighted
- \_\_\_ 33. TL contacts MCR and confirms that gates are reset and 11z1 zone indicates sweep is good.

**Note:**

IF the AREA SECURED, and GATE RESET lamps are not lit THEN contact MCR to verify sweep is good and gates are reset.

- \_\_\_ 34. After returning to MCR and verifying that all information is filled out completely, TL files the checklist in FY\_xx Sweep Log binder.