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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.an RHIC Zone 5z1 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, W. MacKay

## RHIC Zone 5z1 Sweep Checklist

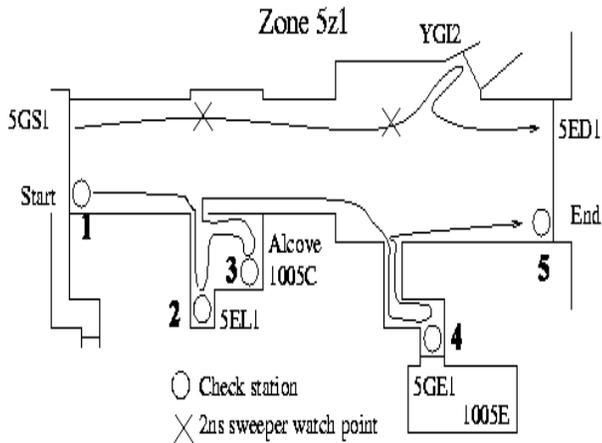
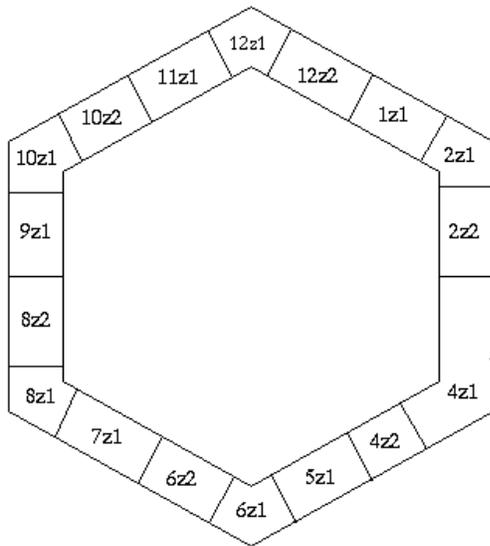
Team leader (TL) \_\_\_\_\_ Sweeper#2 (S2) \_\_\_\_\_

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 5z1 Sweep Checklist (two pages)
- Required Tools: Portable Radio, Flashlight
- TLD
- **Y line sweep is good and YGI1 and YGI2 are reset.**
- All Doors closed THEN 5z1 set to Controlled Access
- Keys: Sweep Reset S/R015, Controlled Access 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: I-05Q17 (Inside, Q17) or O-05Q17 ( Outside, Q17). References are for inside locations and are visible only by the Team Leader.

check

- \_\_\_1. Sweep team goes to gate 5GE1, TL requests simultaneous release from MCR.
- \_\_\_2. TL opens 5GE1 gate by turning the CA014 key clockwise, in the Controlled Access key-switch, while Operator in MCR presses simultaneous release for 5GE1.

**CONTINUED ON REVERSE SIDE**

- \_\_\_3. Sweep Team walks to 5GS1 gates (TL inside and Sweeper#2 outside).
- \_\_\_4. TL resets 5GS1 gate by turning the S/R015 key in the RESET key-switch at 5GS1-I.
- \_\_\_5. TL observes RESET lamp light.
- \_\_\_6. TL STARTS SWEEP by turning the S/R015 key CW in the SWEEP key-switch on 5GS1-I (5CS1).
- \_\_\_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 I05Q17.
- \_\_\_10. Sweep team sweeps Clockwise (CW) around RHIC.
- \_\_\_11. S2 stands static watch at the electrical services alcove opposite I05Q13.
- \_\_\_12. TL enters the 1005C alcove and goes to the ladder at 5EL1.
- \_\_\_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 5EL1 is closed.
- \_\_\_14. TL resets door 5EL1 using the S/R015 key in the RESET key-switch at the bottom of the ladder.
- \_\_\_15. IF 5EL1 will not reset, THEN TL climbs the ladder, closes 5EL1, then repeats step 14.
- \_\_\_16. TL observes RESET lamp lights after reset.
- \_\_\_17. TL sets second check station (5CS2) by turning S/R015 key in the SWEEP key-switch.
- \_\_\_18. TL observes AREA SECURED lamp blink once.
- \_\_\_19. TL goes to the far corner of the alcove to 5CS3.
- \_\_\_20. TL sets third check station (5CS3) by turning S/R015 key in the SWEEP key-switch.
- \_\_\_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 observes fan vent barrier and ceiling barricade are in place above S2's head.
- \_\_\_24. Sweep team sweeps Clockwise (CW) around RHIC.
- \_\_\_25. Sweep team checks padlocks on inner and outer Exhaust Fan Access Doors (5EF3/4) at I-05Q9.
- \_\_\_26. S2 stands static watch at I05D8Q9.
- \_\_\_27. TL walks down labyrinth to 5GE1.
- \_\_\_28. TL sets fourth check station (5CS4) by turning S/R015 key in the SWEEP key-switch.
- \_\_\_29. TL observes AREA SECURED lamp blink once.
- \_\_\_30. TL sweeps up the labyrinth and joins S2.
- \_\_\_31. Sweep team sweeps Clockwise (CW) around RHIC.
- \_\_\_32. TL confirms overhead barricade is in place at I-05D5.
- \_\_\_33. S2 verifies YG12 is RESET and Y line AREA SECURED.
- \_\_\_34. S2 crosses under the Y line.
- \_\_\_35. Sweep team sweeps Clockwise (CW) around RHIC.
- \_\_\_36. Sweep team checks exhaust fan vent barriers at 5AV2 and 5AV3.
- \_\_\_37. Sweep team sweeps to the vapor barrier at 5ED1.
- \_\_\_38. TL TOSSES SWEEP KEYS to S2.
- \_\_\_39. S2 resets 5ED1 gate by turning S/R015 key in the RESET key-switch.
- \_\_\_40. S2 observes RESET lamp light amber.
- \_\_\_41. S2 ends sweep by turning S/R015 key in the SWEEP key-switch (5CS5).
- \_\_\_42. S2 observes AREA SECURED lamp light amber.
- \_\_\_43. Sweep Team walks to gate 5GE1 to exit.
- \_\_\_44. TL contacts MCR for simultaneous release for gate 5GE1.
- \_\_\_45. Sweep Team sweeps out 5GE1 after getting the simultaneous release.
- \_\_\_46. 5GE1 is a Remote Controlled Access gate and is reset in MCR.
- \_\_\_47. TL contacts MCR and confirms that gates are reset and 5z1 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 gate(s) are reset.

- \_\_\_48. After returning keys to the keytree, TL resets 5GE1 using the RHIC PanelView in MCR.
- \_\_\_49. After returning to MCR and verifying that all information is filled out completely, TL files the checklist in FY\_xx Sweep Log binder.