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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

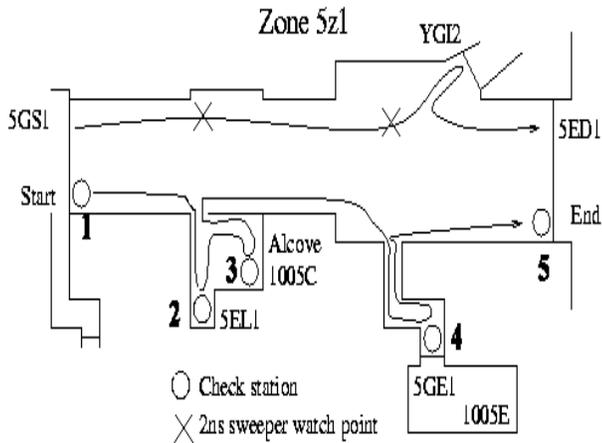
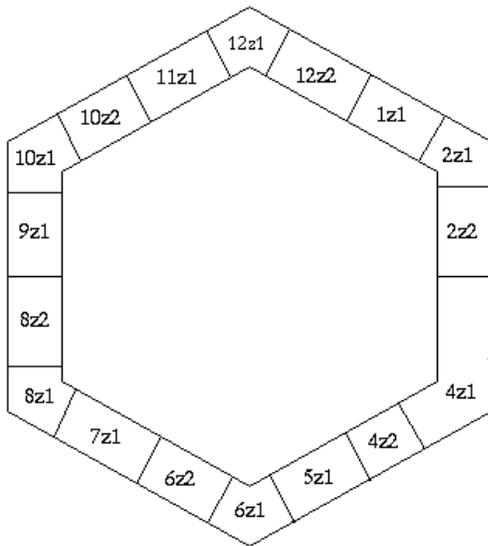
Team leader (TL) _____ Sweeper#2 (S2) _____

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: at least one flashlight,
- Walkie-talkies
- **STRONGLY RECOMMENDED: Y line sweep is good and YG11 and YG12 are reset**
- All Doors closed THEN 5z1 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 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 doors. (TL inside and Sweeper 2 outside).
- ___ 4 TL resets 5GS1 gate by turning the S/R015 key in the RESET keyswitch 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 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 gate 5EL1 using the S/R015 key in the Reset keyswitch 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 keyswitch.
- ___ 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 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 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 (5EF4/5) at I-05Q9
- ___ 26 S2 stands static watch at I05D8/Q9
- ___ 27 TL walks down labyrinth to 5GE1.
- ___ 28. TL sets fourth check station (5CS4) by turning S/R015 key in the SWEEP keyswitch.
- ___ 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
- ___ 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 keyswitch
- ___ 40. S2 observes Reset Lamp light amber.
- ___ 41. S2 ends sweep by turning S/R015 key in the SWEEP keyswitch
- ___ 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, lamp is not lit THEN contact MCR to verify sweeps is good and gate(s) are reset.

- ___ 48 After returning keys to the keytree, TL resets 5GE1 using the MCR PanelView
- ___ 49. After returning to MCR and verifying that all information is filled out completely, TL files the checklist in FY_xx Sweep Log binder.