

*If you are using a printed copy of this procedure, and not the on-screen version, then you **MUST** make sure the dates at the bottom of the printed copy and the on-screen version match. The on-screen version of the Collider-Accelerator Department Procedure is the Official Version. Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.*

C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.ag RHIC Zone 12z2 Sweep Checklist

Text Pages 1 through 2

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 12z2 Sweep Checklist

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

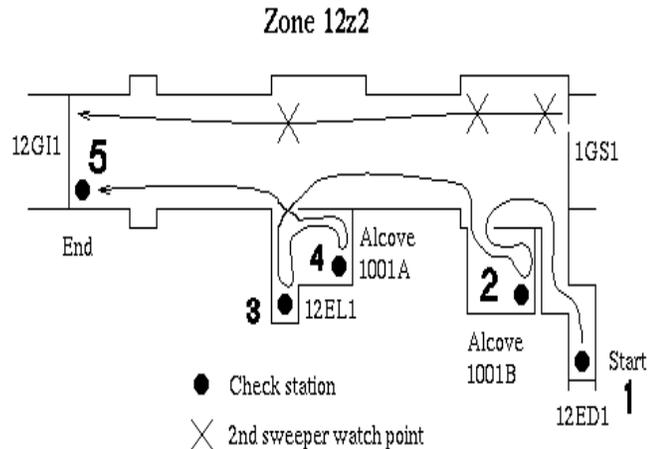
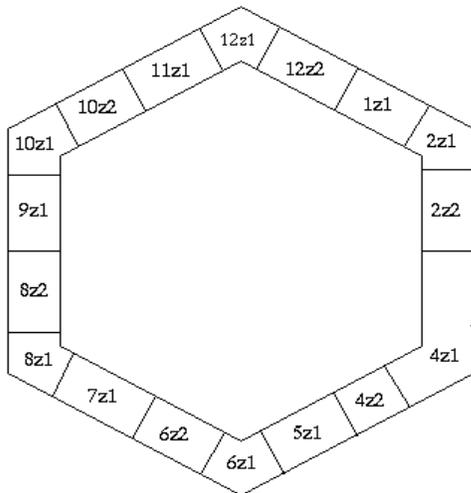
Time: _____ Date: _____

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 12z2 Sweep Checklist (two pages)
- Required Tools: at least one flashlight,
- Walkie-talkies
- All Doors closed THEN 12Z2 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 enters 12z2 after TL requests simultaneous release from MCR (12GI1 is the recommended entry door).

CONTINUED ON REVERSE SIDE

- ___ 2. TL opens 12GI1 gate by turning the CA014 key clockwise, in the Controlled Access key-switch while Operator in MCR presses simultaneous release for 12GI1.
- ___ 3. Each sweeper passes through one 12GI1 door (TL through inner door).
- ___ 4. Sweep team walks to 1GS1 at the far end of the 12z2 zone.
- ___ 5. S2 stands static watch at 1GS1.
- ___ 6. TL walks down labyrinth to 12ED1 door.
- ___ 7. TL resets gate 12ED1 using the S/R015 key in the RESET keyswitch .
- ___ 8. TL observes the yellow RESET lamp is lighted
- ___ 9. TL STARTS SWEEP by turning the S/R015 key CW in the SWEEP key-switch (12CS5)
- ___ 10. TL observes AREA SECURED lamp blink once.
- ___ 11. TL sweeps out the labyrinth and rejoins S2.
- ___ 12. TL stands static watch while S2 climbs yellow stairs and searches fan vents and the space above the cable trays.
- ___ 13. S2 returns to the outside of the tunnel and stands static watch opposite 1001B alcove entrance.
- ___ 14. TL goes to check station 12CS4 in the 1001B Alcove.
- ___ 15. TL sets second check station (12CS4) by turning S/R015 key in the SWEEP keyswitch.
- ___ 16. TL observes AREA SECURED lamp blink once.
- ___ 17. TL searches all the equipment racks, sweeps out the alcove, and rejoins S2.
- ___ 18. Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- ___ 19. TL stops to check the Exhaust Fan Vent Barrier at I-12Q17.
- ___ 20. Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- ___ 21. S2 stands static watch at the electrical services alcove opposite T-12Q13.
- ___ 22. TL goes to the ladder at 12EL1 in alcove 1001A.
- ___ 23. 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 12EL1 door is closed.
- ___ 24. TL resets gate 12EL1 using the S/R015key in the RESET keyswitch at the bottom of the ladder.
- ___ 25. IF 12EL1 will not reset THEN TL climbs the ladder, closes 12EL1, then repeats step 24.
- ___ 26. TL observes RESET lamp lights after RESET.
- ___ 27. TL sets third check station (12CS2) by turning S/R015 key in the SWEEP keyswitch.
- ___ 28. TL observes SWEEP lamp blink once.
- ___ 29. TL searches all the equipment racks, and sweeps to check station 12CS3 in the corner of the alcove
- ___ 30. TL sets fourth check station (12CS3) by turning S/R015 key in the SWEEP keyswitch.
- ___ 31. TL observes SWEEP lamp blink once.
- ___ 32. TL sweeps out the alcove, and rejoins S2.
- ___ 33. TL confirms fan vent barrier 12EF1 is in place on the far side of the tunnel and overhead barrier is in place. (above S2).
- ___ 34. Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- ___ 35. Sweep Team stops to check the Exhaust Fan Vent Barriers at I-12DU7.
- ___ 36. Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- ___ 37. Sweep Team sweeps to gate 12GI1. (Inner and Outer gates)
- ___ 38. TL ENDS SWEEP by turning the S/R015 key SWEEP key in the SWEEP keyswitch on 12GI1-I (12CS1).
- ___ 39. TL observes the yellow SWEEP lamp is lighted
- ___ 40. TL contacts MCR for simultaneous release for gate 12GI1.
- ___ 41. Sweep Team sweeps out zone 12z2 through their respective 12GI1 doors.
- ___ 42. TL resets gate 12GI1 using the S/R015 key in the Reset keyswitch at 12GI1-1 on 12Z1 side
- ___ 43. TL observes the yellow RESET lamp is lighted
- ___ 44. TL contracts MCR and confirms that gates are reset and 12Z2 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.

- ___ 45. After returning to MCR and verifying that all information is filled out completely, TL files the checklist in FY_xx Sweep Log binder.