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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.am RHIC Zone 4z2 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 4z2 Sweep Checklist

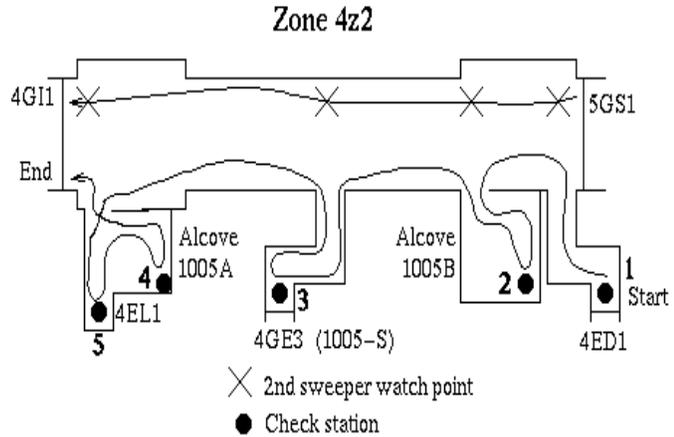
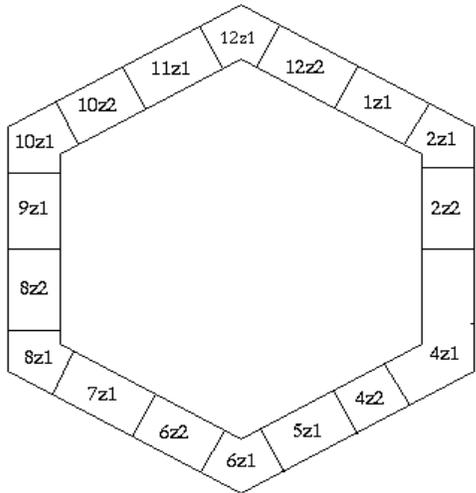
Team Leader (TL) _____ Sweeper#2 (S2) _____

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 4z2 Sweep Checklist (two pages)
- Required Tools: at least one flashlight,
- Walkie-talkies
- All Doors closed THEN 4z2 set to Controlled Access
- Keys: Sweep Reset key S/R015, Controlled Access key CA014, S/R011



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

check

- ___ 1. Sweep team enters 4z2 after TL requests simultaneous release from MCR (4GE3 is the recommended entry door).
- ___ 2. TL opens 4GE3 gate by turning the CA015 key clockwise, in the Controlled Access key-switch while Operator in MCR presses simultaneous release for 4GE3.

CONTINUED ON REVERSE SIDE

- ___ 3 Sweep team walks to 5GS1 at the far (5 o'clock) end of the 4z2 zone TL on the inside, S2 on the outside.
- ___ 4 S2 stands static watch at I05Q21 near gate 5GS1.
- ___ 5 TL walks down labyrinth to 4ED1 door.
- ___ 6 TL resets gate 4ED1 using the S/R015 key in the RESET keyswitch .
- ___ 7 TL observes the yellow RESET lamp is lighted
- ___ 8 TL STARTS SWEEP by turning the S/R015 key CW in the SWEEP key-switch at 4CS5.
- ___ 9 TL observes AREA SECURED lamp blink once.
- ___ 10 TL sweeps out the labyrinth and rejoins S2.
- ___ 11 TL stands static watch while S2 climbs yellow stairs and searches fan vents (5EF1) and the LEDGE above the cable trays.
- ___ 12 S2 returns to the outside of the tunnel and stands static watch.
- ___ 13 TL goes to check station 4CS4 in the "B" Alcove.
- ___ 14 TL sets second check station (4CS4) by turning S/R015 key in the SWEEP keyswitch.
- ___ 15 TL observes AREA SECURED lamp blink once.
- ___ 16 TL searches all the equipment racks, sweeps out the alcove, and rejoins S2.
- ___ 17 Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- ___ 18 S2 stands static watch opposite I04Q18
- ___ 19 TL walks down labyrinth to 4GE3.
- ___ 20 TL sets second check station (4CS3) by turning S/R015 key in the SWEEP keyswitch.
- ___ 21 TL observes AREA SECURED lamp blinks once.
- ___ 22 TL sweeps up labyrinth and joins S2.
- ___ 23 Sweep team sweeps Counter Clockwise (CCW) around RHIC.
- ___ 24 TL stops at I04D17 to check fan vent barrier (4AV1) is in place
- ___ 25 Sweep team sweeps Counter Clockwise (CCW) around RHIC and stops at 4GI1
- ___ 26 S2 stands static watch at 4GI1
- ___ 21 TL walks to the ladder at 4EL1 in alcove A.
- ___ 22 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 4EL1 door is closed.
- ___ 23 TL resets gate 4EL1 using the S/R015 key in the RESET keyswitch at the bottom of the ladder.
- ___ 24 IF 4EL1 will not reset THEN TL climbs the ladder, closes 4EL1, then repeats step 23.
- ___ 25 TL observes RESET lamp lights after RESET.
- ___ 26 TL sets third check station (4CS1) by turning S/R011 key in the SWEEP keyswitch.
- ___ 27 TL observes AREA SECURED lamp blink once.
- ___ 28 TL searches all the equipment racks,
- ___ 29 TL goes to check station 4CS2 at the far corner of the alcove.
- ___ 30 TL ENDS SWEEP at fourth check station (4CS2) by turning S/R015 key in the SWEEP keyswitch.
- ___ 31 TL observes AREA SECURED lamp lights amber.
- ___ 32 TL sweeps out the alcove, and rejoins S2.
- ___ 33 TL confirms fan vent barrier is in place above S2 and that ceiling barricade is in place.
- ___ 34 IF not reset, THEN, TL resets gate 4GI1 using the S/R015 key in the RESET keyswitch.
- ___ 35 TL observes RESET lamp lights.
- ___ 36 Sweep Team walks CW back to 4GE3
- ___ 37 TL contacts MCR for simultaneous release for gate 4GE3.
- ___ 38 Sweep Team sweeps out zone 4z2 through 4GE3.
- ___ 39 TL observes the yellow AREA SECURED lamp is lighted.
- ___ 40 TL contacts MCR and confirms that gates are reset and 4z2 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.

- ___ 41 After returning keys to keytree in MCR, TL RESETS the RCA gate 4GE3 using the RHIC PanelView.
- ___ 42 After verifying that all information is filled out completely, TL files the checklist in FY_xx Sweep Log binder.