

Attachment-1
RHIC Zone 4Z1 (RF) SWEEP CHECKLIST

Sweeper 1 (SP1): _____ Sweeper 2 (SP2): _____

TIME: _____ DATE: _____

Required tools: One flashlight,
Keys: The RF sweep key for SP1, RF CA key for SP2

Note:
Except where noted, the SP1 will sweep along the inner aisle, and SP2 will sweep along the outside aisle.

Note:
All gates on perimeter zone 4z1 should be closed before starting the sweep. If the gates have been left open, then a cursory walk-through should be done to close the gates and remove all excess personnel from the tunnel before starting the sweep.

check

- _____ 1. SP1 and SP2 go to gate **3GI1**. Verify that both doors are closed and latched.
- _____ 2. SP1 start sweep with sweep key in check station **3CS1**.
- _____ 3. SP1 reset gate **3GI1**.
- _____ 4. Sweep tunnel towards the 1003C alcove.
- _____ 5. S1 verify vent grate near **YI3-Q17** is secured.
- _____ 6. S2 verify that vent shaft across from 1003C is secured.
- _____ 7. S2 stand watch while S1 sweeps Alcove 1003C. S2 should keep alcove door and escape ladder in sight.
- _____ 8. S1 look at mirror above ladder and verify that door appears closed and that nobody is on top platform.
- _____ 9. S1 reset gate **3EL1** with sweep key in station at foot of ladder. (If it does not reset, climb ladder and secure door. Make sure that the green bar is seated correctly so that the micro switch is closed. Then try to reset the gate again.)
- _____ 10. S1 activate check station **3CS2**.
- _____ 11. S1 go to check station **3CS3** activate it.
- _____ 12. S1 sweep out the alcove verifying that nobody is in a rack or cable tray.

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Category A

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- 13. Both sweepers continue sweep towards gate 4GE1.
- 14. Verify grates are secured over vent shafts opposite each other by __3-DU7.
- 15. Verify nobody is behind breakers or transformers in nook by __3-D5.
- 16. S2 verify that the vent box by the __3-Q3 end of the triplet is secured with padlocks.
- 17. S1 verify that trench gate 4MD1 is closed and padlocked.
- 18. S2 stand watch across from the 4GE1 labyrinth while S1 sweeps the labyrinth.
- 19. S1 verify that 4GE1 is closed and latched.
- 20. S1 reset gate 4GE1.
- 21. S1 activate check station 4XCS2 at gate 4GE1. Then sweep out the labyrinth.
- 22. Continue sweep through interaction region. Remember to check under the shielding blocks below the beam line and around the cavities.
- 23. S2 verify that vent box near YO4-Q3 is secured with a padlock.
- 24. S1 verify that trench gate 4MD2 is closed and padlocked.
- 25. S1 verify that vent cover on wall near BI4-Q3 is secured in place.
- 26. S2 stand watch while S1 sweeps 4GE2 labyrinth.
- 27. S1 verify that gate 4GE2 is closed and latched.
- 28. S1 activate check station 4XCS3 at gate 4GE2 and sweep out labyrinth.
29. Continue sweep toward gate 4GI1. Be particularly careful to check around the rf cavities and rf racks.
- 30. Verify nobody is behind breaker panels in nook by __4-D5.
- 31. Verify grates to vents are secured by __4-D8 on both sides of tunnel.
- 32. Verify that both doors of gate 4GI1 are closed and latched.
- 33. S1 reset gate 4GI1.
- 34. S1 activate check station 4XCS4.
- 35. Both sweepers return to gate 4GE2.

Note:

There are only 30 s to exit from the tunnel and close the gate after activating the last check station, or the sweep will be dropped.

- 36. S1 activate check station **4XCS3**. All persons must exit through gate **4GE2** now. Close the gate quickly.
- 37. S1 reset gate **4GE2**. Now the amber “RF Area Secured” and red “No Access” lights should be lit.
- 38. SP1 files completed checklist in “RF Sweep Checklist BINDER” in the RF control room.