

***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 available by contacting the ESSHQ Procedures Coordinator, Bldg. 911A***

**C-A OPERATIONS PROCEDURES MANUAL**

**ATTACHMENT**

**4.56.x U Upstream 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

## U UPSTREAM SWEEP CHECKLIST

Team leader \_\_\_\_\_ Operator 2 \_\_\_\_\_

Time: \_\_\_\_\_ Date: \_\_\_\_\_

**Warning:**

**ONCE A SWEEP IS COMPLETE, ANY WORKER LEFT IN THE ENCLOSURE MUST HAVE A CA(EB006) KEY.**

**IF** any personnel are encountered during the sweep, **THEN** determine whether their work will be completed in a short time. **IF** the work will take a long time, **THEN** contact the OC to see if the sweep should be aborted or the workers asked to leave to obtain a CA(EB006) key. **IF** the work will be completed in a SHORT time, **THEN** write the name(s) of the workers at the end of the checklist and verify that they leave the enclosure **WITH** the sweep team.

**Prerequisites**

- Two persons to perform the sweep
- U Upstream Sweep Checklist for C-A-OPM-ATT 4.56.x (2 pages)
- Portable Radio, Flashlight
- TLD
- Keys: Controlled Access (EB006), Sweep/Reset (EB007), BNL-9 if stub tunnel is not secured

**Note:**

The U-line stub tunnel must be swept before sweeping U Upstream.

**Check**

- \_\_\_ 1. Team Leader contacts MCR to verify that U Upstream is on Controlled Access.
- \_\_\_ 2. Two operators go to U line upstream gate (UGE1).
- \_\_\_ 3. Team Leader requests simultaneous release from MCR.
- \_\_\_ 4. Team leader opens UGE1 gate by turning the CA (EB006) key in the OPEN key-switch while Operator in MCR presses simultaneous release for gate UGE1.

**Note:**

The Operator in the MCR must hold the UGE1 gate release on the PanelView until the gate is closed.

- \_\_\_ 5. Team Leader radios operator in MCR to report when the gate is closed.
- \_\_\_ 6. **IF** the AGS "is" running, **THEN** the stub tunnel has already been swept **AND** FEB Gate 2 has already been reset. Go to step 8.
- \_\_\_ 7. **IF** the AGS is **NOT** running **AND** FEB gate 2 is **NOT** reset, **THEN** proceed to FEB Gate 2, open it (no simultaneous release is necessary), and sweep the stub tunnel. Reset FEB Gate 2 with the BNL-9 key.
- \_\_\_ 8. Sweep Team walks downstream to UGI1, located downstream of UTV7.
- \_\_\_ 9. Team Leader verifies UGI1 is closed.
- \_\_\_ 10. Team Leader starts the sweep by resetting check station #1 (upstream side of UGI1 gate) with S/R(EB007) key in the SWEEP key switch.
- \_\_\_ 11. Observe the AREA SECURED amber lamp light for two seconds.
- \_\_\_ 12. Team Leader resets the UGI1 gate with the S/R(EB007) key in the RESET key switch.
- \_\_\_ 13. Observe the GATE SECURED amber lamp light.

- \_\_\_14. Both operators continue to sweep upstream to first trench near UQ11. Verify that the trench covers are in place between UQ11 and VD4.

**Note:**

IF trench covers are not securely fastened to the floor, THEN lift them and search for persons with the aid of your flashlight.

- \_\_\_15. Both Operators sweep upstream toward UD5 verifying that the trench covers are in place and the cable trays are clear.
- \_\_\_16. While sweeping upstream toward VD4, use flashlights to peer under the U-line magnets to verify nobody is back behind the V-line magnets.
- \_\_\_17. Operator 2 goes under the V line to verify that nobody is behind VD3 or VD4.
- \_\_\_18. Both Operators sweep upstream to the stub tunnel (FEB Gate 2).
- \_\_\_19. Team Leader maintains static watch at FEB Gate 2 while Operator #2 checks the zero degree spur behind shield blocks.
- \_\_\_20. Operator 2 resets check station #2 with the S/R(EB007) key in the SWEEP key switch.
- \_\_\_21. Operator 2 observes the AREA SECURED amber lamp light for two seconds.
- \_\_\_22. Operator 2 verifies that the screen is secured over end of zero degree beam line.
- \_\_\_23. Operator 2 shines the flashlight upwards and verifies that no personnel are in the vent-shaft above the zero degree line screen.
- \_\_\_24. Sweep Team sweeps upstream to gate UGE1.
- \_\_\_25. Operator 2 ends the sweep at check station #3 with the S/R(EB007) key in the SWEEP key switch.
- \_\_\_26. Observe the AREA SECURED amber lamp light.
- \_\_\_27. Team Leader requests a release from MCR before opening UGE1.

**Note:**

The Operator in the MCR must hold the UGE1 gate release on the PanelView until the gate is closed.

- \_\_\_28. Both Operators sweep through UGE1 after operator in MCR gives the release.
- \_\_\_29. Team Leader radios operator in MCR to report UGE1 is closed.

**Note:**

Since UGE1 is a Remote Controlled Access Gate, it may only be reset from the MCR PanelView

- \_\_\_30. Observe the AREA SECURED lamp remains lit.
- \_\_\_31. Team Leader confirms with an operator in the MCR that the sweep is OK.
- \_\_\_32. Sweep Team (at conclusion of all sweeps) returns to MCR.
- \_\_\_33. Capture CA(EB006) and S/R(EB007) keys in the key tree.
- \_\_\_34. Reset gate UGE1 in MCR.
- \_\_\_35. Confirm gate UGE1 is reset using PanelView.
- \_\_\_36. Team Leader files completed checklist in FY`nn Sweep Log binder.