

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

4.120.13.d WXY (PEER 5) Sweep Tests

C-A-OPM Procedures in which this Attachment is used.		
4.120.13		

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

V. Castillo

4.120.13.d WXY (PEER 5) Sweep Tests

PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title: _____ **Checksum:** _____

Division B Software Filename and Checksum: Title: _____ **Checksum:** _____

Initial testing complete:

Test Team Leader's Name (Print): _____ **Life Number:** _____

Test Team Leader's Name (Sign): _____ **Date:** ____/____/____

Acceptance test procedure complete (following repairs and retesting if required):

Test Team Leader's Name (Print): _____ **Life Number:** _____

Test Team Leader's Name (Sign): _____ **Date:** ____/____/____

Test results reviewed by:

Safety Section Head's Name (Print): _____ **Life Number:** _____

Safety Section Head's Name (Sign): _____ **Date:** ____/____/____

Test results accepted by Radiation Safety Committee:

RSC Member's Name (Print): _____ **Life Number:** _____

RSC Member's Name (Sign): _____ **Date:** ____/____/____

- 1.1 To Sweep Zone W**
- CLOSE** Gates **WGE1, WGE2, XGI1, YGI1** and **UED1**
 - VERIFY** Gates **WGE1, WGE2, XGI1, YGI1** and **UED1** are **CLOSED**
 - PLACE** **Peer 5** in **Mode 16**
 - VERIFY** **Peer 5** is in **Controlled Access** **MODE 16**
 - ACTIVATE** Check station **WCS1**
 - VERIFY** Check station **WCS1** indicator (**Area Secured**) **BLINKS ONCE**
 - ACTIVATE** Check station **WCS2**
 - VERIFY** Check station **WCS2** indicator (**Area Secured**) **BLINKS ONCE**
 - ACTIVATE** Check station **WCS3**
 - VERIFY** Check station **WCS3** indicator (**Area Secured**) **BLINKS ONCE**
 - ACTIVATE** Check station **WCS4**
 - VERIFY** Check station **WCS4** indicator (**Area Secured**) **BLINKS ONCE**
 - ACTIVATE** Check station **WCS5**
 - VERIFY** Check station **WCS5** indicator (**Area Secured**) **ON**
 - EXIT** Gate **WGE1** with **Simultaneous Release**, leaving 1 **ACS personnel inside**
 - CLOSE** Gate **WGE1**
 - VERIFY** **MCR** sees gate **WGE1** **CLOSED**
 - VERIFY** **MCR** sees **Zone W** **SWEPT**
- Check for acceptance of Test To Sweep Zone W**

1.2 Test of loss of sweep with illegal opening of gate WGE1

- EXIT** Gate **WGE1** **without** **Simultaneous Release**
- CLOSE** Gate **WGE1**
- VERIFY** **MCR** sees gate **WGE1** **CLOSED**
- VERIFY** **MCR** sees **Zone W** **NOT SWEPT**

- Check for acceptance of Test of loss of sweep with illegal opening of gate WGE1**

- 1.3 To Sweep Zone X**
- CLOSE** Gates **XGI1** and **XGI2**
 - VERIFY** Gates **XGI1** and **XGI2** are **CLOSED**
 - PLACE** **Peer 5** in **Mode 16**
 - VERIFY** **Peer 5** is in **Controlled Access** **MODE 16**
 - VERIFY** **MCR** sees **Zone X** **NOT SWEPT**
 - ACTIVATE** Check station **XCS1**
 - VERIFY** Check station **XCS1** indicator (**Area Secured**) **BLINKS ONCE**
 - ACTIVATE** Check station **XCS2**
 - VERIFY** Check station **XCS2** indicator (**Area Secured**) **ON**
 - EXIT** Gate **XGI2** with **Simultaneous Release**, leaving 1 **ACS personnel inside**

	CLOSE	Gate XGI2	
<input type="checkbox"/>	VERIFY	MCR sees gate XGI2	CLOSED
<input type="checkbox"/>	VERIFY	MCR sees Zone X	SWEPT

Check for acceptance of Test To Sweep Zone X

1.4 Test of loss of sweep with illegal opening of gate XGI2

	EXIT	Gate XGI2 without Simultaneous Release	
	CLOSE	Gate XGI2	
<input type="checkbox"/>	VERIFY	MCR sees gate XGI2	CLOSED
<input type="checkbox"/>	VERIFY	MCR sees Zone X	NOT SWEPT

Check for acceptance of Test of loss of sweep with illegal opening of gate XGI2

1.5 To Sweep Zone Y

	CLOSE	Gates YGI1 and YGI2	
<input type="checkbox"/>	VERIFY	Gates YGI1 and YGI2 are	CLOSED
	PLACE	Peer 5 in Mode 16	
<input type="checkbox"/>	VERIFY	Peer 5 is in Controlled Access	MODE 16
<input type="checkbox"/>	VERIFY	MCR sees Zone Y	NOT SWEPT
	ACTIVATE	Check station YCS1	
<input type="checkbox"/>	VERIFY	Check station YCS1 indicator (Area Secured)	BLINKS ONCE
	ACTIVATE	Check station YCS2	
<input type="checkbox"/>	VERIFY	Check station YCS2 indicator (Area Secured)	ON
	EXIT	Gate YGI2 with Simultaneous Release , leaving 1 ACS personnel inside	
	CLOSE	Gate YGI2	
<input type="checkbox"/>	VERIFY	MCR sees gate YGI2	CLOSED
<input type="checkbox"/>	VERIFY	MCR sees Zone X	SWEPT

Check for acceptance of Test To Sweep Zone Y

1.6 Test of loss of sweep with illegal opening of gate YGI2

	EXIT	Gate YGI2 without Simultaneous Release	
	CLOSE	Gate YGI2	
<input type="checkbox"/>	VERIFY	MCR sees gate YGI2	CLOSED
<input type="checkbox"/>	VERIFY	MCR sees Zone Y	NOT SWEPT

Check for acceptance of Test of loss of sweep with illegal opening of gate YGI2

END OF TEST PROCEDURE

TTL: Sign for completion of initial testing: _____

Date: ____/____/____

TTL: Sign for completion of final testing: _____

Date: ____/____/____