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C-A OPERATIONS PROCEDURES MANUAL

3.22 Procedure to Evacuate RHIC Tunnel During a BNL Site-Wide Emergency

Text Pages 2 through 4

Hand Processed Changes

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Approved: _____ *Signature on File* _____
Collider-Accelerator Department Chairman Date

C. Naylor

3.22 Procedure to Evacuate RHIC Tunnel During a BNL Site-Wide Emergency

1. Purpose

The purpose of this procedure is to provide instructions to MCR staff and CAS technicians regarding methods to alert occupants of the RHIC tunnel during a BNL site-wide emergency.

2. Responsibilities

The Operations Coordinator, CAS (CAS Senior Watch Technician), ESH Coordinator, or the ESSHQ Division Head, is responsible for the execution of this procedure.

3. Prerequisites

3.1 Persons responsible to execute this procedure have been trained in [C-A-OPM 3.14 "Operation of the CONTINUUM Fire Alarm Computer at Console MCR_2"](#).

3.2 The Target groups for this procedure are the ESH Coordinators, ESSHQ Division Head, MCR Operators, Operations Coordinators (OC), and CAS technicians.

4. Precautions

4.1 During periods when the MCR is staffed, the OC or CAS Watch shall execute this procedure.

4.2 During periods when the MCR is not staffed, the CAS Watch, ESH Coordinator, or ESSHQ Division Head, shall execute this procedure.

5. Procedure

Note 1:

The bells ring in the RHIC tunnel and service buildings.

Note 2:

The **RHIC EVAC-BELL OPERATION STATUS** page (**Site Alarm System MAIN MENU PAGE/BNL Site Map Graphic/1005S/RHIC Evac Control and Status**) will display the status of the fire alarm bells in the RHIC tunnel. IF the **STATUS** boxes adjacent to the **LOCATION DESCRIPTION** are red, THEN the bells are either either active or silenced. IF the **STATUS** boxes adjacent to the **LOCATION DESCRIPTION** are green, THEN the bells are silent.

5.1 IF a BNL site-wide evacuation occurs when workers could be in sections of the RHIC tunnel, THEN

5.1.1 Ring the fire alarm bells in the tunnel either by

5.1.1.1 Contacting the Building 1005S Building Manager or the CAS and instructing them to activate the pull box in the lobby of Building 1005S, or by

5.1.1.2 Initiating the ringing of the RHIC tunnel fire alarm bells using the CONTINUUM Fire Alarm Computer at console MCR_2 in the C-A Main Control Room or using the Fire Alarm Computer in building 940.

Note:

THE FOLLOWING STEPS WILL CAUSE THE FIRE ALARM BELLS TO RING IN THE RHIC TUNNEL – DO NOT EXECUTE UNLESS A REAL EMERGENCY OR AUTHORIZED TEST IS TAKING PLACE.

- On the **Site Alarm System MAIN MENU PAGE** click on the **BNL Site Map Graphic** button
 - then click on the **1005S** icon
 - then click on the **RHIC Evac Control and Status** button
 - then click on the **ALL EVAC - ON** button (red button) (Gray area on the right side)
- Verify that the ALLEVAC-ON button briefly turns grey and reads “sending” and then turns red and reads “ALL EVAC-ON”
- Verify that the tunnel fire alarm bells are active by observing that the **STATUS** boxes adjacent to the **LOCATION DESCRIPTION** are red and read “Active” on the **RHIC EVAC - BELL OPERATION STATUS** page.

Note:

IF the CONTINUUM computer monitor shows the **RHIC EVAC – BELL OPERATION STATUS** page, THEN you do not have to do the following in steps 5.1.2.1 or 5.1.3.1 below,
“On the **Site Alarm System MAIN MENU PAGE** click on the **BNL Site Map Graphic** button

- then click on the **1005S** icon
- then click on the **RHIC Evac Control and Status** button”

5.1.2 Silence the RHIC tunnel fire alarm bells after the evacuation using the CONTINUUM Fire Alarm Computer at console MCR_2 in the C-A Main Control Room or the Fire Alarm Computer in building 940.

5.1.2.1 On the **Site Alarm System MAIN MENU PAGE** click on the **BNL Site Map Graphic** button
- then click on the **1005S** icon
- then click on the **RHIC Evac Control and Status** button
- then click on the **SILENCE EVAC** button (Gray area on the right side)

5.1.2.2 Verify that the SILENCE EVAC button briefly reads “Sending” and then reads “SILENCE EVAC”.

5.1.3 Reset the RHIC tunnel fire alarm bells using the CONTINUUM Fire Alarm Computer at console MCR_2 in the C-A Main Control Room or the Fire Alarm Computer in building 940.

5.1.3.1 On the **Site Alarm System MAIN MENU PAGE** click on the **BNL Site Map Graphic** button
- then click on the **1005S** icon
- then click on the **RHIC Evac Control and Status** button
- then click on the **EVAC RESET** button (Gray area on the right side)

5.1.3.2 Verify that the EVAC RESET button briefly reads “Sending” and then reads “EVAC RESET”.

5.1.3.3 Verify that the tunnel fire alarm bells are reset by observing that the **STATUS** boxes adjacent to the **LOCATION DESCRIPTION** are green and read “Normal” on the **RHIC EVAC – BELL OPERATION STATUS** page.

6. Documentation

None

7. References

7.1 [C-A-OPM 3.14 “Operation of the CONTINUUM Fire Alarm Computer at Console MCR_2”](#)

8. Attachments

None