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C-A OPERATIONS PROCEDURES MANUAL

3.18 Emergency Procedure for the PHOBOS Detector Building 1010 Complex

Text Pages 2 through 4

Attachment

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

A Carroll

3.18 Emergency Procedure for the PHOBOS Detector Building 1010 Complex

1. Purpose

The purpose of this document is to define the Local Emergency Plan (LEP) for the operation of the PHOBOS detector system. This local emergency plan will help to ensure:

- The safety of personnel.
- Implementation of the appropriate emergency procedures contained in [C-A-OPM 3.0](#) and Section 5 of this document.
- Prompt notification of appropriate personnel.
- Maintenance of appropriate C-A emergency status.
- Protection of the environment.
- Protection of BNL facilities and equipment.

2. Responsibilities

2.1 Local Emergency Coordinator (LEC) - During the testing, commissioning, and operation of the PHOBOS detector system, the Local Emergency Coordinator (LEC) will be the C-A Collider-Accelerator Support (CAS) watch. The responsibilities of the LEC are described in [C-A-OPM 3.2](#).

2.1.1 The LEC is responsible for being aware of the Shift Leader responsibilities described in Section 2.2.

2.2 Shift Leader, or designee, or the Building Manager, shall be responsible for:

2.2.1 Acting as a First Responder to incidents, and responding to the Command Post.

2.2.2 Assisting the LEC in maintaining the PHOBOS detector and facility in a safe condition.

2.2.3 Ensuring that personnel involved in PHOBOS operations are trained in all emergency and safety procedures.

2.2.4 Ensuring that all postings of special instructions are complete.

2.2.5 Implementing all emergency responses outlined in the section 5 of this document, and any additional instructions given by the Department Emergency Coordinator (DEC), LEC, or Incident Commander.

3. Prerequisites

The Shift Leader, or designee, shall have training in the following:

- 3.1. C-A Department Local Emergency Plan, [C-A-OPM 3.0](#), including familiarity with [SBMS Emergency Preparedness](#).
- 3.2. All relevant equipment involved in the PHOBOS detector system being used to ensure safe operations.
- 3.3. Knowledge of the physical layout of the 1010 complex (routes of egress, location of emergency equipment, telephones, controls, etc.).
- 3.4. Knowledge of the Building Assembly Area and Shelter-in-Place Area (Counting House), and outside assembly area (OUTSIDE of the Counting House).

4. Precautions

- 4.1. The safety of personnel and the environment is of primary importance. In an emergency all personnel shall take great care not to give instructions or information which may place personnel or the environment at risk or harm.

5. Procedures

- 5.1. In the event that there is a fire in the 1010 Experimental Region:
 - 5.1.1. Pull the nearest fire alarm box if the alarm is not already sounding, then call 2222 or 911.
 - 5.1.2. Evacuate all personnel and proceed to the outside assembly point and await the arrival of the Fire/Rescue Group.
 - 5.1.3. Trip switches 1, 21, 23, 26 and 39 in the Northeast circuit breaker in the Counting House to shut down clean power in the tunnel. Switches are marked with orange dots.
 - 5.1.4. Trip switch 38 in Northwest circuit breaker marked with orange dot, shuts down normal house power in tunnel.
 - 5.1.5. Trip PHOBOS spectrometer magnet with trip buttons on power supply in Support Bldg. 1010A.

5.1.6 The LEC and Shift Supervisor or designee shall report to the Command Post upon arrival of the Fire/Rescue Captain. The Command Post is vehicle designated Car-1 unless directed elsewhere by the Fire Rescue Captain.

5.2 Emergency in Counting House

5.2.1 Follow instructions in Section 5.1.1, 5.1.2 and 5.1.5.

5.2.2 Go to Support Bldg. 1010A and trip circuit breakers 3 and 5 marked with sign, "PHOBOS Trailer and Tunnel Power", trip PHOBOS Spectrometer Magnet with trip button on power supply in Support Bldg. 1010A.

6. Documentation

None

7. References

7.1 [C-A-OPM 3.0, Local Emergency Plan](#)

8. Attachments

8.1 [C-A-OPM-ATT 3.18.a "Layout of the PHOBOS Site indicating:"](#)

- Fire Alarms
- Emergency Assembly and Shelter-in-Place Areas Inside (Counting House)
- Evacuation Assembly Area Outside (Outside Counting House)
- Power Off Locations