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C-A OPERATIONS PROCEDURES MANUAL

3.27 Emergency Procedure for the 10 O’Clock Intersection Region and 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

Y. Makdisi

3.27 Emergency Procedure for the 10 O’Clock Intersection Region and 1010 Building Complex

1. Purpose

The purpose of this document is to define the Local Emergency Plan (LEP) for the operation of the 10 O’Clock IR. 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) – 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 The 10 O’Clock IR 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 experimental equipment in the IR and facility in a safe condition.

2.2.3 Ensuring that personnel involved in IR experimental operation 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 IR 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).
- 3.5 All personnel working on any electrical system or equipment in the C-AD shall be familiar with BNL [SBMS Electrical Safety](#), BNL [SBMS Lockout/Tagout \(LO/TO\)](#), [C-A-OPM 1.5, "Electrical Safety Implementation Plan"](#), [C-A-OPM 1.5.3 "Procedure to Open or Close Breakers and Switches and Connecting/Disconnecting Plugs"](#), [C-A-OPM 2.36, "Lockout/Tagout for Control of Hazardous Energy"](#). C-AD will provide on-site/work specific training to individuals in the electrical safety aspects of their job functions and assignments.

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 10 O'Clock IR:
 - 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 to shut down normal house power in tunnel. The switch is marked with an orange dot.

- 5.1.5 Shut off power to the warm magnets with the trip buttons on the 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 Pull the nearest fire alarm box if the alarm is not already sounding, then call 2222 or 911.
 - 5.2.2 Evacuate all personnel and proceed to the outside assembly point and await the arrival of the Fire/Rescue Group.

6. Documentation

None

7. References

- 7.1 [C-A-OPM 3.0, Local Emergency Plan](#)
- 7.2 [C-A-OPM 1.5, “Electrical Safety Implementation Plan”](#).
- 7.3 [C-A-OPM 1.5.3 “Procedure to Open or Close Breakers and Switches and Connecting/Disconnecting Plugs”](#).
- 7.4 [C-A-OPM 2.36, “Lockout/Tagout for Control of Hazardous Energy”](#).
- 7.5 [SBMS Electrical Safety](#).
- 7.6 [SBMS Lockout/Tagout \(LOTO\)](#).

8. Attachments

- 8.1 [C-A-OPM-ATT 3.27.a “Layout of the 10 O’Clock IR and 1010 Building Complex”](#).