

3.19 Emergency Procedure for the Experimental Detector Building 1002 Complex

1. Purpose

The purpose of this document is to define the Local Emergency Plan (LEP) for the operation of the IP2 experimental 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 Collider-Accelerator emergency status
- Protection of the environment
- Preservation of BNL facilities and equipment.

2. Responsibilities

2.1 Local Emergency Coordinator (LEC) - During the testing, commissioning, and operation of the IP2 experimental detector systems, 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 Shift Leader, or designee, 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 IP2 experimental detector and facility in a safe condition.

2.2.3 Ensuring that personnel involved in IP2 experimental 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 Procedures section of this document, or any additional instructions given by the Department Emergency Coordinator (DEC), LEC, or Incident Commander.

2.2.6 Assist in assuring that the persons performing safety checks are familiar with the appropriate procedure and the C-A Local Emergency Plan.

3. Prerequisites

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

- 3.1 C-A Local Emergency Plan, [C-A-OPM 3.0](#), including familiarity with [SBMS Emergency Preparedness](#).
- 3.2 All relevant equipment involved in the IP2 experimental detector system being used to ensure safe operations.
- 3.3 Knowledge of the physical layout of the 1002 complex (routes of egress, location of emergency equipment, telephones, controls, etc.).
- 3.4 Knowledge of the assembly areas:
 - Outside Assembly Area - area between 1002B and 1002D
 - Shelter-in-Place Area - 1002D for buildings 1002A, 1002C, and 1002D
 - Shelter-in-Place Area - Tunnel for building 1002

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 of an emergency/fire or gas alarm in 1002 complex, all non-emergency personnel shall evacuate to the outside assembly point and await the arrival of the Fire/Rescue Group. For the experiment, the emergency personnel include the Shift Leader or designee.
 - 5.1.1 Pull the nearest fire alarm box if the alarm is not already sounding, then call 2222 or 911,
 - 5.1.2 If it is not immediately clear there is an actual fire:
 - 5.1.2.1 The Shift Leader or designee shall investigate the Service building area for confirmation.
 - 5.1.2.2 The Shift Leader or designee shall inspect the 1002 complex Fire Panel to assess where the alarm is originating from.
 - 5.1.3.3 If the alarm is confirmed to come from the IR, turn off power to the experiment apparatus magnets, pumps, and electronics Racks.

- 5.1.3 The LEC and Shift Leader should not leave the area without approval of the Incident Commander.
- 5.1.4 The LEC and Shift Leader shall report to the Command Post upon arrival of the Fire/Rescue Captain. The Command Post shall be vehicle designated Car-1 unless directed elsewhere by the F/R Captain.
- 5.1.5 If requested by Fire/Rescue Captain to turn off AC power, execute IP2 experimental Emergency Power Off Procedure.

6. Documentation

None

7. References

- 7.1 [C-A-OPM 3.0, Local Emergency Plan](#)
- 7.2 [C-A-OPM 3.2 “Emergency Procedures to be Implemented by the Local Emergency Coordinator”.](#)
- 7.3 [SBMS Emergency Preparedness](#)

7. Documentation

None

8. References

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

9. Attachments

None