

EMERGENCY SERVICES DIVISIONProcedure No.
EP-SOP-2.14**PROCEDURE**

Revision No. 0

BROOKHAVEN NATIONAL LABORATORY**PAGE 1 OF 3****Procedure Title:** Meteorologist**1.0 PURPOSE**

The purpose of this procedure is to provide guidance for the BNL Meteorologist during an operational emergency at BNL.

2.0 RESPONSIBILITIES

2.1 The Meteorologist is responsible for:

- Assisting and informing the Crisis Manager (CM) or Incident Commander (IC) of the current weather conditions and atmospheric stability.
- Making predictions regarding weather future conditions for long-term incidents.
- Notifying BNL of approaching severe weather conditions when an emergency is not in process.
- Operating the NARAC workstation when needed.

2.2 The CM and IC are responsible for informing the Meteorologist that an emergency has been declared.

3.0 DEFINITIONS

3.1 Crisis Manager (CM): A senior manager who interacts with the IC and external entities such as government officials and the media.

3.2 Incident Commander (IC): The fire or police officer who is in charge of the scene at an emergency. The IC may also be another person as the nature and urgency of the emergency changes.

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<http://www.bnl.gov/emergencyservices/ep/EP%20Procedures/EP-SOP%20list.htm>

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3.3 National Atmospheric Release Advisory Center (NARAC): A support service that provides the tools and services that map the probable spread of hazardous materials accidentally or intentionally released into the atmosphere. This service is located at the Lawrence Livermore National Laboratory.

4.0 PREREQUISITES

None

5.0 PRECAUTIONS

None

6.0 PROCEDURE

6.1 The IC or CM notifies the Meteorologist on call that there is a spill, release, or fire in progress so that the Meteorologist can advise them about current and future weather conditions. The Meteorologist can be contacted through any of the following means:

Nextel Connect direct: 173*37738*61
Nextel phone number (631) 484-1133
Nextel email 6314841133@messaging.nextel.com

Note: *Meteorology Forecast office is located in Building 490D Room 5-305 and the phone ext. is 2271. Division Supervisor is Dr. Michael Reynolds phone ext 7836, cell phone number (631) 374-2537.*

6.2 The Meteorologist also supports the BNL Emergency Management Program by reporting upcoming weather phenomena that may be of concern to the operation of the Laboratory (e.g., hurricanes or winter storms). The Meteorologist will notify key BNL personnel of severe weather conditions using email service:
pgrgrpsevthr@exchange.bnl.gov.

Note: *Contact Fire Chief John Searing to make changes to this exchange group.*

6.3 The Meteorologist shall use the Meteorologist Emergency Action Checklist EP-SOP-2.14A, when implementing 6.1 and should use the checklist when implementing 6.2.

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7.0 IMPLEMENTATION AND TRAINING

- 7.1 This procedure is implemented by posting it to the Emergency Services Division Web Page.
- 7.2 Training on changes to this procedure is conducted via email notification to affected employees.
- 7.3 The tasks routinely performed by the Meteorologist as part of his/her regular employment are the same tasks described here and therefore do not require any further job-specific training.

8.0 REFERENCES

- 8.1 BNL Emergency Plan
- 8.2 [DOE Order 151.1B – Emergency Management System](#)
- 8.3 ANSI/ANS-3.11-2000: Determining Meteorological Information at Nuclear Facilities. This document provides criteria for gathering and assembling meteorological information at commercial nuclear electric generating stations and Department of Energy (DOE) nuclear facilities. Meteorological data collected, stored, and displayed through implementation of this standard is utilized to support the siting, operation, and decommissioning of nuclear facilities. The meteorological data are employed in determining environmental impacts, consequence assessments supporting routine release and design basis accident evaluations, emergency preparedness programs, and other applications.

9.0 ATTACHMENTS

- 9.1 EP-SOP-2.14A, "Meteorologist Emergency Action Checklist"