

U.S. Department of Energy
Washington, D.C.

NOTICE

DOE N 153.2

Approved: 08-11-03

Expires: 08-11-04

SUBJECT: CONNECTIVITY TO NATIONAL ATMOSPHERIC RELEASE ADVISORY
CENTER (NARAC)

1. OBJECTIVES.

- a. To establish appropriate requirements for connectivity with the National Atmospheric Release Advisory Center (NARAC) at Lawrence Livermore National Laboratory as necessary for all Department of Energy (DOE) and National Nuclear Security Administration (NNSA) sites and facilities that have the potential for a Site Area or General Emergency from the atmospheric release of hazardous materials.
- b. To ensure that local site or NARAC response products (e.g., plume path, dose, and deposition maps) generated during emergency events are available in a timely manner to—
 - (1) DOE Headquarters;
 - (2) DOE/NNSA sites and facilities;
 - (3) State, tribal, and local Governments; and
 - (4) other Federal agencies.
- c. To ensure that the Department provides appropriate and consistent consequence assessment information to the affected community and other stakeholders during a General Emergency.
- d. To promote efficient use of consequence assessment resources for response to General Emergencies at DOE/NNSA sites, facilities, and operations and for planning response to General Emergencies.

2. CANCELLATION. None.

3. APPLICABILITY.

- a. DOE Elements. This Notice applies to all DOE/NNSA sites/facilities having a

DISTRIBUTION:
All Departmental Elements

INITIATED BY:
Office of Emergency Operations

hazard assessment that demonstrates a potential for atmospheric release of hazardous materials sufficient to generate either a declaration of a Site Area Emergency or a General Emergency. (See DOE O 151.1A, *Comprehensive Emergency Management System*, dated 11-1-00, for descriptions of emergency levels.)

b. Site/Facility Management Contracts.

- (1) The Contractor Requirements Document (CRD), Attachment 1, sets forth requirements of this Notice that will apply to site/facility management contracts that include the CRD.
- (2) This CRD must be included in facility management contracts for sites/facilities that have been determined through performance of a hazard assessment under DOE O 151.1A to have a potential for an atmospheric release of hazardous materials that may adversely impact the health and safety of persons and the environment on-site outside the facility (i.e., Site Area Emergency) or off-site (i.e., General Emergency).
- (3) This Notice does not automatically apply to other than site/facility management contracts. Any application of requirements of this Notice to other than site/facility management contracts will be communicated separately from this Notice.
- (4) Each DOE/NNSA contractor responsible for a site or facility with potential for hazardous materials release at levels that require Site Area Emergency or General Emergency response is responsible for notifying the contracting officer. Once notified, the contracting officer is responsible for incorporating the CRD into the appropriate site/facility management contract via the laws, regulations, and DOE directives clause of the contract.
- (5) As the laws, regulations, and DOE directives clause of a site/facility management contract states, regardless of the performer of the work, the site/facility management contractor with the CRD incorporated into its contract is responsible for compliance with the requirements of the CRD. An affected site/facility management contractor is responsible for flowing down the requirements of this CRD to subcontracts at any tier to the extent necessary to ensure the site/facility management contractor's compliance with the requirements. In doing so, the contractor shall not unnecessarily or imprudently flow down requirements to subcontracts. That is, the contractor shall both (1) ensure that it and its subcontractors comply with the requirements of this CRD to the extent necessary to ensure the contractor's compliance, and (2) only incur costs that would be incurred by a prudent person in the conduct of competitive business.

- c. Exclusions. None.

4. REQUIREMENTS.

- a. To improve real-time consequence assessment capabilities for DOE/NNSA sites/facilities during emergencies, NARAC support must be available for use at all DOE/NNSA sites/facilities with a hazard assessment that demonstrates a potential for atmospheric release of hazardous materials sufficient to generate declaration of a General Emergency. (See DOE O 151.1A, *Comprehensive Emergency Management System*, dated 11-1-00, for descriptions of emergency levels.)
- b. To avoid unnecessary duplication of effort at DOE/NNSA sites/facilities, NARAC capability can be used as—
 - (1) primary source of consequence assessment information,
 - (2) backup to a primary source of consequence assessment,
 - (3) primary source for consequence assessment at distances beyond the scope of local consequence assessment capability, or
 - (4) source for corroborating or confirming consequence assessment information.
- c. The intent is not to eliminate an existing site/facility system but to merge systems (electronically) to ensure that the desired corroborating/confirming, backup, or primary consequence assessment mode capability is available.
 - (1) Each DOE/NNSA site/facility for which a hazard assessment performed in accordance with DOE O 151.1A demonstrates a potential for atmospheric release of hazardous materials sufficient to constitute a General Emergency must have connectivity that allows effective use of NARAC as part of real-time consequence assessment, in either primary, backup, or corroborating mode, at the facility management contractor's discretion. This connectivity will be tested on a quarterly basis.
 - (2) Each DOE/NNSA site/facility for which a hazard assessment performed in accordance with DOE O 151.1A demonstrates a potential for atmospheric release of hazardous materials sufficient to constitute a Site Area Emergency but not a General Emergency must, at a minimum, have procedures in place to activate or request connectivity to NARAC capabilities. This capability will be tested on an annual basis.
 - (3) All DOE/NNSA sites/facilities described in paragraphs (1) and (2) above, must ensure that site/facility meteorological data and information on

source terms for actual or potential releases of hazardous materials to the atmosphere are available or can be made available to NARAC in a timely manner to facilitate real-time computation.

5. RESPONSIBILITIES. The Director, Office of Emergency Operations, provides overall direction for the DOE Emergency Management System. Responsibilities include—
 - a. managing and developing consequence assessment capabilities for emergency events,
 - b. providing programmatic direction, and
 - c. providing resources for the development, maintenance, and operation of NARAC.
6. CONTACT. To obtain assistance concerning this Notice, contact the Office of Emergency Operations, at 202-586-9892.

BY ORDER OF THE SECRETARY OF ENERGY:



KYLE E. McSLARROW
Deputy Secretary

CONTRACTOR REQUIREMENTS DOCUMENT

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Regardless of the performer of the work, contractor is responsible for compliance with the requirements of the Contractor Requirements Document CRD. The contractor is responsible for flowing down the requirements of the CRD to subcontracts at any tier to the extent necessary to ensure the contractors' compliance with the requirements. In doing so, the contractor will not unnecessarily or imprudently flow down requirements to subcontractors. That is, the contractor will both (1) ensure that it and its subcontractors comply with requirements of this CRD and (2) only incur costs that would be incurred by a prudent person in the conduct of competitive business.

1. Contractor may use the National Atmospheric Release Advisory Center (NARAC) as a primary source of consequence assessment information, as a backup to a primary source of consequence assessment, and/or as a source of corroborating or confirming consequence assessment information.
2. Contractor must establish connectivity with NARAC as follows.
 - a. If Contractor's sites/facilities have been determined through a hazard assessment conducted pursuant to DOE O 151.1A to have a potential for a General Emergency from the atmospheric release of materials, Contractor must have access to and procedures in place to use effectively the NARAC capability as part of the facility's real-time primary, backup, or corroboratory consequence assessment. Connectivity to NARAC shall be tested on a quarterly basis with results reported to the Contracting Officer.
 - b. If Contractor's sites and facilities have been determined through a hazard assessment conducted pursuant to DOE O 151.1A to have a potential for a Site Area Emergency from the atmospheric release of materials, but not a General Emergency, Contractor must, at a minimum, have procedures in place to activate or request NARAC capabilities as the primary, backup, or corroboratory data resource for the site/facility. The capability shall be tested on an annual basis, with results reported to the Contracting Officer.
 - c. Contractors must ensure that site/facility meteorological data and information on source terms for actual or potential releases of hazardous materials to the atmosphere are available or can be made available to NARAC in a timely manner to facilitate real-time computations.