

DAEC EMERGENCY PLAN	SECTION 'N'
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Effective Date:

TECHNICAL REVIEW	
Prepared by: _____	Date: _____
Reviewed by: _____ Independent Reviewer	Date: _____

PROCEDURE APPROVAL	
Approved by: _____ Manager, Emergency Planning	Date: _____
Reviewed by: _____ Operations Committee Chairman	Date: _____
Approved by: _____ Plant Manager, Nuclear	Date: _____
Authorized by: _____ Vice President, Nuclear	Date: _____

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1.0 PURPOSE

- (1) This section describes the periodic exercises and drills which are used to enhance and evaluate the capabilities of the Emergency Response Organization.
- (2) The Nuclear Management Company (NMC) is assigned operational responsibility for the DAEC. However, IES maintains corporate accountability for activities at the DAEC and will participate when necessary in activities at the DAEC. The reference "IES/NMC" will be used throughout this procedure to signify this relationship. Further details regarding this relationship can be found in the "Nuclear Power Plant Operating Services Agreement" (NPPOSA) between IES and the NMC.

2.0 REQUIREMENTS

The Manager, Emergency Planning shall be responsible for planning and scheduling drills and exercises, and the coordination of such with all affected groups within IES/NMC.

2.1 EXERCISES

- (1) Exercises will be conducted annually to evaluate the overall response and emergency capabilities of the ERO, to ascertain the level of familiarity with the emergency plan and procedures, and to demonstrate the effectiveness of the plan. These exercises will be coordinated with state and local response organizations to ensure their capability in mobilizing to the necessary level at least once every two years. The operational and readiness response to any exercise will be evaluated by observers and principal participants from agencies involved in the exercise. Exercises will be conducted in accordance with NRC/FEMA regulation. State and county participation is required on a biennial basis.
- (2) The scenarios for the exercises shall be sufficiently varied such that all major portions of NUREG 0654, the plans and organizations are tested at least once every six years. An off-hours exercise will be scheduled to start between 6:00 p.m. and 6:00 a.m. once every six years. Where possible, the off-hours exercise should be unannounced.

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2.2 DRILLS

- (1) A drill is a supervised instruction period that refers to an event involving organizational responses to a simulated accident to develop, test, and monitor specialized emergency skills that constitute one or more components of an emergency plan and/or procedures.
- (2) Drills may be conducted as part of an exercise and will be evaluated as described in paragraph 2.4 of this section. Drills may be used as requalification training for ERO personnel. Specific types of drills and their frequencies are delineated below:

(A) Fire Drills

- (i) Fire drills will be conducted quarterly in accordance with the DAEC Fire Plan.

(B) Medical Emergency Drills

- (i) Evaluated medical emergency drills will be conducted annually. These drills will involve local support services and will use simulated contaminated and/or injured individuals.

(C) Radiological Monitoring Drills

- (i) Radiological monitoring drills will be conducted annually. These drills will involve both onsite and offsite monitoring teams and include the collection and analysis of sample media; e.g., water, air, vegetation, and soil.

(D) Health Physics Drills

- (i) Health Physics drills will be conducted semi-annually. These drills will involve response to, and analysis of, simulated elevated airborne and liquid samples and direct radiation measurements at the DAEC.

(E) ERO Activation Drills

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- (i) A minimum of two ERO activation drills will be conducted on an annual basis. These drills will assess the ability of the ERO to activate and staff the facility.

2.3 SCENARIOS

- (1) The conduct of each exercise and drill will be governed by staged scenarios. Scenarios will specify and include at least the following:
- Basic objectives of the drill or exercise. A measurable and observable objective must be specified for each major task/function.
 - Dates, time period, places, personnel, and participating organizations.
 - Simulated events.
 - Time schedule of real and simulated initiating events.
 - Narrative summary describing the conduct of the exercise or drill, including simulated casualties, offsite fire department assistance, rescue of personnel, use of protective clothing and associated equipment, deployment of personnel and radiological teams, and public information activities.
 - A description of arrangements for and advance materials to be provided to official observers.

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2.4 OBSERVATION AND CRITIQUE

- (1) Qualified personnel will observe and perform a critique of exercises and drills. Provisions will be made for federal, state, and local observers, as well as IES/NMC personnel, to observe and critique required exercises. A review and presentation of exercise critiques will be held as soon as practical after the exercise and will be the subject of a formal report, as addressed in Paragraph 2.5. Drills will be evaluated, but a formal critique need not be generated. However, on-the-spot corrections of erroneous performance will be made and overall results will be documented.

2.5 MANAGEMENT CONTROL

- (1) The results of exercise critiques, particularly comments on identified areas which require improvement or reevaluation, will be submitted to the Manager, Emergency Planning, or designee, for review. The Manager, Emergency Planning, or designee, will consult with responsible department heads and assign corrective action activities, as appropriate. Necessary plan and procedure changes will be handled as discussed in Section P; additional training will be included in the training program as discussed in Section O.