

GL81010

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

February 18, 1981

TO ALL LICENSEES OF OPERATING PLANTS AND HOLDERS OF CONSTRUCTION PERMITS

SUBJECT: POST-TMI Requirements FOR THE EMERGENCY OPERATIONS FACILITY  
(GENERIC LETTER 81-10)

Gentlemen:

On October 31, 1980, the NRC staff sent you a clarification letter (NUREG-0737) regarding approved TMI Action Plan items which deferred clarification of item III.A.1.2, upgrade Emergency Support Facilities. The Commission has now finalized its position with respect to location and habitability requirements for the Emergency Operations Facility and staffing levels for emergency situations. Clarification on these issues is enclosed. In the near future, we expect to issue further guidance for emergency response facilities in connection with finalization of NUREG-0696. Implementation schedules for related items affected by the issuance of NUREG-0696 will be set forth at that time.

It is expected that the requirements contained herein will be met. Accordingly, you are requested to furnish, within forty-five (45) days of this letter, confirmation that the implementation dates indicated in Enclosure 1 will be met. For any date that cannot be met, furnish a proposed revised date, and justification for the delay.

This request for information was approved by GAO under a blanket clearance number R0072 which expires November 30, 1983. Comments on burden and duplication may be directed to the U. S. General Accounting Office, Regulatory Reports Review, Room 5106, 441 G Street, N. W., Washington, D.C. 20548.

Sincerely,

Darrell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation

Enclosures:  
As Stated

III.A.1.2 UPGRADE EMERGENCY SUPPORT FACILITIES

Position

Each operating nuclear plant shall maintain an onsite technical support center (TSC) separate from and in close proximity to the control room that has the capability to display and transmit plant status to those individuals who are knowledgeable of and responsible for engineering and management support of reactor operations in the event of an accident. The center shall be habitable to the same degree as the control room for postulated accident conditions. The licensee shall revise his emergency plans as necessary to incorporate the role and location of the TSC. Records that pertain to the as-built conditions and layout of structures, systems, and components shall be readily available to personnel in the TSC.

An operational support center (OSC) shall be established separate from the control room and other emergency response facilities as a place where operations support personnel can assemble and report in an emergency situation to receive instructions from the operating staff. Communications shall be provided between the OSC, TSC, EOF, and control room.

An emergency operations facility (EOF) will be operated by the licensee for continued evaluation and coordination of all licensee activities related to an emergency having or potentially having environmental consequences.

#### Changes to Previous Requirements and Guidance

- (1) NUREG-0696, "Functional Criteria for Emergency Response Facilities," to be issued shortly, will provide more detailed design and functional criteria.
- (2) Table III.A.1.2-1 (Table B-1 to NUREG-0654, Revision 1), establishes staffing levels for emergency situations. The revision of NUREG-0654 establishes staging of staffing for 30 to 60 minutes rather than requiring capability for required augmentation at 30 minutes. The implementation schedule for licensed operators and STA on shift shall be as specified in Task Action Item I.A.1.3. Any deficiencies must be fully removed by July 1, 1982.
- (3) Implementation schedule has been changed.
- (4) Establishes a requirement to submit emergency response facilities (ERFs) conceptual design information by June 1, 1981.
- (5) Establishes guidance on EOF location and habitability

III.A.1.2-1

3-186a

#### Clarification

NUREG-0696 was issued in draft for comment. The staff has analyzed the comments, prepared the final version for Commission review, and will issue the final version of NUREG-0696 in the near future.

NUREG-0696, "Functional Criteria for Emergency Response Facilities," will provide more detail design and functional criteria than previously prescribed. The operational date for the final emergency response facilities

has been changed to October 1, 1982. The interim TSC and EOF completed by January 1, 1980 shall continue to be operated until the upgraded facilities become fully operational.

An emergency operations facility (EOF) will be operated by the licensee for continued evaluation and coordination of all licensee activities related to an emergency having or potentially having environmental consequences. The criteria regarding the location and habitability of the EOF is given in Table III.A.1.2-2.

### Applicability

This requirement applies to all operating reactors and applicants for operating license.

### Implementation

For operating reactors, the upgraded emergency response facilities conceptual design shall be submitted by June 1, 1981. For operating license applications, such design information should be provided in connection with the OL review process. The upgraded facilities shall be operational by October 1, 1982, for all facilities licensed for operation prior to that date. For OL expected to be issued after October 1, 1982, the upgraded facilities shall be operational prior to receiving an operating license.

### Type of Review

A pre-implementation review of the conceptual design submittals will be performed. A post-implementation review will be performed for the October 1, 1982 requirement.

### Documentation Required

Facility conceptual design description shall be provided by June 1, 1981 including:

- (1) Task functions of the individuals required to report to the TSC and EOF upon activation and for each emergency class; and
- (2) Descriptions of TSC instrumentation, instrument quality, instrument accuracy and reliability.
- (3) Descriptions of TSC power supply systems, power supply quality, reliability and availability, and consequences of power supply interruption.
- (4) Descriptions of the design of the TSC data display systems, plant records and data available and record management systems.
- (5) Descriptions of the data transmission system to be installed between the TSC and control room.
- (6) Description of data to be provided to the EOF.