

2.17 Emergency Planning

2.17.1 Emergency Response Facilities

Design Description

The Technical Support Center (TSC) and Operational Support Center (OSC) are the only emergency facilities within the scope of the ABWR Standard Plant.

The purpose of the TSC is to provide management and technical support to personnel in the Main Control Room during emergency conditions. The TSC is non-safety-related and is not Seismic Category I. The TSC is located in the Service Building and has sufficient space to accommodate at least 25 individuals. The TSC has voice communication equipment for communication with the Main Control Room, Emergency Operations Facility, OSC and NRC Headquarters Operation Center.

The TSC has displays for the plant parameters listed in Table 2.7.1a, Item B, Fixed Position Displays.

The purpose of the OSC is to provide an assembly area separate from the Main Control Room and TSC where licensee operations support personnel can report in an emergency. The OSC is non-safety-related and is not Seismic Category I. The OSC is located in the Service Building and has voice communication equipment for communication with the main control room and the TSC.

Inspections, Tests, Analyses and Acceptance Criteria

Table 2.17.1 provides a definition of the inspections, tests, and/or analyses, together with associated acceptance criteria, which will be performed for the Emergency Response Facilities.

Table 2.17.1 Emergency Response Facilities

Inspections, Tests, Analyses and Acceptance Criteria		
Design Commitment	Inspections, Tests, Analyses	Acceptance Criteria
1. The TSC and OSC are located in the Service Building.	1. An inspection will be performed for the location of the TSC and OSC.	1. The TSC and OSC are in different locations in the Service Building. The TSC is adjacent to the passage from the Service Building to the Control Building.
2. The TSC has sufficient space to accommodate at least 25 individuals.	2. An inspection will be performed of the floor space in the TSC.	2. The TSC has at least 175 m ² of floor space.
3. The TSC has voice communication equipment for communication with the Main Control Room, Emergency Operations Facility, OSC, and NRC Headquarters Operation Center.	3. A test will be performed of the TSC voice communication equipment.	3. The TSC voice communication with the Main Control Room, Emergency Operations Facility, OSC, and NRC Headquarters Operation Center is audible and intelligible at each location.
4. The TSC has displays for the plant parameters listed in Table 2.7.1a, Item B, Fixed Position Displays.	4. An inspection will be conducted on the displays for the TSC.	4. Displays exist or can be retrieved in the TSC for the plant parameters listed in Table 2.7.1a, Item B.
5. The OSC has voice communication equipment for communication with the main control room and TSC.	5. A test will be performed of the OSC voice communication equipment.	5. The OSC voice communication with the Main Control Room and TSC is audible and intelligible at each location.