

13.3 Emergency Planning

A COL applicant that references the U.S. EPR design certification will provide a site-specific emergency plan in accordance with 10 CFR 50.47 and 10 CFR 50 Appendix E. Emergency planning is, in part, within the scope of a COL applicant. Design features, facilities, functions and equipment that are technically relevant to the design and are not site-specific, and which affect some aspect of emergency planning or the capability of a licensee to cope with plant emergencies are described in this section.

A space of at least 1875 ft² suitable for a technical support center (TSC), which demonstrates compliance with the design requirements of NUREG-0696, Section 2.4 (Reference 1) for staffing levels of 25 persons (20 utility and 5 NRC) at 75 ft² per person, and Revision 1 of NUREG-0654/FEMA REP-1 (Reference 2), is provided within the integrated operations area adjacent to the main control room (MCR). This space is within the Safeguard Building. It is also within the control room envelope (CRE) which maintains habitability during normal, off-normal and emergency conditions; refer to Figure 6.4-1—Control Room Envelope Plan View 1 and Figure 6.4-2—Control Room Envelope Plan View 2. A detailed description of CRE habitability, including radiological protective provisions, is provided in Section 6.4. The control room air conditioning system is described in Section 9.4.1.

Voice communications between the TSC and the plant, local and offsite emergency response facilities, local and state governments and the NRC are provided by the plant telephone, paging and radio systems. These are described in Section 9.5.2.2.1 through Section 9.5.2.2.4.

Data communications within the TSC is provided through the process information and control system (PICS), which is described in Section 7.1.1.3.2. This non-safety related digital I&C system provides a screen-based interface capable of monitoring plant parameters during: normal, off-normal and emergency conditions. It electronically provides MCR safety parameter information to the TSC and to the NRC through the emergency response data system (ERDS). Safety-related information systems are described in detail in Section 7.5, with accident monitoring systems described in Section 7.5.1.2 and information systems provided in the emergency response facilities described in Section 7.5.1.3.

Space suitable for an operational support center (OSC), which demonstrates conformance with the design requirements for staffing levels consistent with current operating practices of NUREG-0654/FEMA REP-1 Revision 1 (Reference 2), is provided within the Access Building. This building also contains a personnel decontamination area. Adequate voice communications in these facilities is provided by the plant telephone, paging and radio systems as described in Section 9.5.2.2.1 through Section 9.5.2.2.4. The Access Building is described in Section 12.3.1.6.

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