

REGULATION 10CFR50.34(e)(2)(xxv)

Subject: Post-Accident Support Facilities

To satisfy the following requirements, the application shall provide sufficient information to demonstrate that the required actions will be satisfactorily completed by the operating license stage. This information is of the type customarily required to satisfy 10CFR50.35(a)(2) or to address unresolved generic safety issues.

Provide a Technical Support Center, an onsite Operational Support Center, and an Emergency Operations Facility. (III.A.1.2)

OFFSHORE POWER SYSTEMS RESPONSE

Emergency Response Facilities will be designed in accordance with guidance provided in NUREG-0696. The technical support center (TSC) is an onsite facility located close to the control room that provides plant management and technical support to the reactor operating personnel located in the control room during emergency conditions. It has technical data displays and plant records available to assist in the detailed analysis and diagnosis of abnormal plant conditions and any significant release of radioactivity to the environment. The TSC will be the primary communications center for the plant during an emergency. A senior official, designated by the licensee, can use the resources of the TSC to assist the control room operators by handling the administrative items, technical evaluations, and contact with offsite activities, relieving them of these functions. The TSC facilities may also be used for performing normal functions, such as shift technical supervisor and plant operations/maintenance analysis functions, as well as for emergencies.

The Onsite Technical Support Center (TSC) for the FNP is located on the mezzanine of the Emergency Relocation Area (ERA) as shown in Figures C-10 through C-12. This center is provided with the same degree of shielding, environmental control, missile protection and security as the Control Room. This center uses a ventilation system equal to the Control Room system. Necessary communication between the TSC and both the Control Room and Onsite Operational Support Center will be provided. Offsite communications will be provided by the owner. As outlined below, plant status can be readily obtained in the TSC during normal as well as emergency operation.

Necessary "as-built" documentation will be filed in the TSC or elsewhere within the shielded control building.

Offshore Power Systems will provide CRT terminals for the SPDS and to access data from the plant computer system. The specific instrumentation required in the TSC will be determined during final detailed design of the FNP. The major portion of the Emergency Response data acquisition system will be provided by the SPDS data system. This system will display the full range of important parameters and data trends on demand and is more fully described in response to 10CFR50.34(e)(2)(iv). Other parameters needed to complete the emergency response data will be provided by the plant computer system. The data acquisition from the plant computer will be secured by either hardware or software to prevent unauthorized access during normal operation. The plant computer has dual CPUs and will meet the availability requirements of NUREG-0696.

OPS believes that the FNP concept provides unique advantages regarding as-built documentation, including the following:

- a. greater level of detail on drawings (dimensioning, part numbers, etc.) because of the manufacturing concept.
- b. greater consistency and coordination among as-built documents, since OPS is ultimately responsible for all as-built documentation for the FNP.
- c. FNP units and their documentation would be virtually identical, allowing use of other units for full-scale studies regarding recovery operations.

The Operational Support Center (OSC) is an onsite area separate from the Control Room and the TSC where the owner's personnel will assemble in an emergency. The OSC provides a location where plant logistic support can be coordinated during an emergency and will provide the capability for the owner to restrict Control Room access to those support personnel specifically requested by the shift supervisor. The owner's emergency procedures

will require that the OSC, when activated, be supervised by the owner's operations personnel designated in the owner's emergency plan to perform these functions. The Emergency Relocation Area (at Elev. 100' in the control building) beneath the Control Room will be the Onsite Operational Support Center as shown in Figures C-10, C-11 and C-13. This area is designed to the same criteria for shielding, missile protection and environmental controls as the Control Room. Emergency storage facilities and communications equipment for onsite operational support are provided. The Emergency Relocation Area is safely accessible from the Control Room via a stairway which is enclosed within the shielded control building.

The Near-Site Emergency Operations Facility (EOF) will be provided by the plant owner. Provisions will be made for the transfer of information from the TSC to the Owner's communications system interfacing with the EOF.