

4.0 ORGANIZATION AND ADMINISTRATION

4.1 CONDUCT OF REVIEW

This chapter of the draft Safety Evaluation Report (DSER) reviews the organization and administration information presented in Chapter 4 of the Construction Authorization Request (CAR). The staff used Chapter 4 in NUREG-1718 as guidance in performing the review. The objective of the review is to provide reasonable assurance that the applicant will plan, implement, and control site activities in a manner that ensures the safety of workers, the public, and the environment which ensures that the principal structures, systems and components (PSSCs) and their design bases provide reasonable assurance of protection against natural phenomena and the consequences of potential accidents. This review also ensures that the qualifications for key management positions are adequate. Organizational information is also described in the applicant's quality assurance plan.

4.1.1 Organization

The applicant proposed a functional organization for engineering, design, and construction that includes lines of responsibility and control of engineering, design, construction, procurement, administrative services, environmental health and safety, licensing, and quality assurance. Proposed organization charts showing lines of responsibility and communications were provided.

The Project Manager and President and Chief Executive Officer of Duke Cogema Stone & Webster (DCS) has overall responsibility for the project. Reporting to the Project Manager are: 1) two Deputy Project Managers, one responsible for technical and project integration and the other responsible for engineering and construction, and 2) managers for manufacturing, licensing, and quality assurance. The quality assurance manager has a direct line of communication to the Project Manager and is unencumbered with responsibilities for costs or schedules.

Process and facility design and architect-engineering services will be provided directly by the applicant. The applicant will be responsible for planning, managing, and controlling construction activities. Construction subcontractors will be managed by the Construction Management Manager. At this time, no subcontractors have been selected for construction activities.

The proposed organization has clear and unambiguous controls and communications between organizational groups responsible for designing and constructing the Mixed Oxide Fuel Fabrication Facility (MFFF). Lines of communication, responsibility, and authority are clearly delineated in the organization chart. The Project Manager, who is a corporate officer, is responsible for all design and construction activities related to the PSSCs.

4.1.2 Administration

The applicant plans to transition the design and construction phase of the proposed MFFF to the operating phase. Once construction begins, the Construction Management Manager will be assigned a greater work scope and level of resources. Concomitant with the increased Construction Management Manager scope of work, a decreased work scope and level of resources will be assigned to the Facilities Design and Process Design Managers. Toward the

completion of construction activities, the construction organization will shift to a manufacturing organization consisting of a corporate-level Project Manager responsible for plant operations and quality assurance. Reporting to the Project Manager is the Plant Manager, who is responsible for plant operations and plant support activities. An Operations Manager and a Regulatory Manager report to the Plant Manager. When plant systems are completed, acceptance tests will be performed followed by turnover to the operations organization. The operations organization will then be responsible for maintenance and configuration management of the systems.

Formal management controls described in Chapter 15.0, "Quality Assurance," of this DSER will be applied to ensure that there is reasonable assurance that design bases are maintained during the transition between design and construction activities and operations, and that PSSCs are available and reliable.

4.1.3 Key Management Positions

The management positions described in Section 4.1.1, of this DSER, have responsibilities for activities involving the PSSCs of the MFFF. The applicant also provided the minimum qualifications for each of these positions.

The scope and number of each key management position are described appropriately for each management function involving the PSSCs of the MFFF. The qualifications requirements for key management positions provide an adequate breadth and level of experience for their respective responsibilities and authorities. The staff filling key management positions will be available during the design and construction phases of the project.

4.2 EVALUATION FINDINGS

The staff reviewed the organization and administration for construction approval of the MFFF in accordance with Chapter 4.0 of NUREG-1718. The staff evaluated the proposed organization for design and construction; the administration of the project including how the project will transition from design and construction to operations; and the responsibilities, qualifications, and authorities of key management positions. The proposed organization, administration, and key management position descriptions and qualifications are consistent with guidance in NUREG-1718 and are acceptable.

The staff concluded that the applicant's organization and administration provide reasonable assurance that the applicant has an acceptable organization, appropriate administrative policies, and qualified key management positions to ensure that the PSSCs will protect against the consequences of accidents and natural phenomena.