

## **1.7 IDENTIFICATION OF CONTRACTORS**

Calvert Cliffs Nuclear Power Plant, Inc. retains full responsibility for the engineering and design of facilities, purchase of equipment, construction, and operation of the CCNPP. The procedure followed during construction was similar to that which has been used by BGE for most of its generating facilities now in service or under construction.

Baltimore Gas & Electric Company carried out its responsibilities either by performing the work with its own staff or by in-depth involvement in work delegated to its major contractors. Such responsibilities were divided internally within the Company as follows:

The Electric Engineering Department had the overall responsibility for the design of the plant. Procurement was the responsibility of the Purchasing and Stores Department. The Electric Construction Department was responsible for all site construction activities. The Electric Production Department was responsible for preoperational testing and initial testing as well as operation and maintenance of the plant. Shop inspections and witness testing were the responsibility of the Electric Production Department, assisted by members of the Electric Test Department, under the direction of the Quality Assurance Engineer. All other departments of BGE were available as needed to assist in the design and construction of the plant.

Baltimore Gas & Electric Company engaged CE to design, manufacture, and deliver to the site two complete NSSSs and to design and fabricate the initial core loads of fuel and two reload batches for each reactor. Combustion Engineering, Inc. also furnished technical and professional supervision for erection, initial fuel loading, testing, and initial start-up of the two NSSSs. Replacement steam generators and replacement RVCHs were provided by Babcock & Wilcox, Canada for Units 1 and 2.

Bechtel Associates, an affiliate of the Bechtel Power Corporation, was engaged as the Architect-Engineer for this project and as such performed engineering and design work for the balance of the plant equipment, systems, and structures not included under CE's scope of supply. Bechtel Associates prepared specifications, subject to BGE's approval, for all material, equipment, and systems which were purchased. Bechtel Power Corporation also provided qualified inspectors for shop inspections. Baltimore Gas & Electric Company contracted with Bechtel Power Corporation to perform the on-site construction of the entire plant.

The firm of Dames and Moore was retained as a consultant in the fields relating to site acceptability; namely, population and land use, meteorology, geology, seismology, hydrology, local shoreline protection, and hurricane effects.

NUS Corporation was retained as a general nuclear and radiological consultant and assisted BGE in the area of environmental radiological monitoring.

MPR Associates was retained to assist BGE in all aspects of the Quality Assurance Program. Their exact function in the Program is detailed in Appendix 1A.

A number of consultants participated in studies in connection with the use of Chesapeake Bay water for condenser cooling purposes. Sheppard T. Powell and Associates performed studies of the physical and chemical characteristics of the bay. Under the direction of Dr. Ruth Patrick, the Academy of Natural Sciences of Philadelphia performed extensive studies in the field of marine ecology. The Alden Research Laboratories of the Worcester Polytechnic Institute performed studies on a hydraulic model of a 34-mile portion of the Chesapeake Bay in the area of the plant site. In addition, Dr. John C. Geyer of the Johns Hopkins University served as a general water consultant. All of these studies were coordinated by BGE.