

2.0 SITE

2.1 Summary Description

The "Site Description" section gives the size, geographical location, and certain features of the Browns Ferry site with an analysis of the population distribution and land use in the areas adjacent to the site.

"Meteorology" presents the climate and weather of the Browns Ferry site. Included in this section are results of onsite weather measurements, which are the basis for determining diffusion and transport properties of the atmosphere.

The sections "Hydrology, Water Quality, and Marine Biology" present data on the streamflow, temperature, and aquatic life of the Tennessee River at the site. Also included are studies of subsurface waterflow and uses of water in the plant area.

Details of the geological formations underlying plant structures and the general site area are given in "Geology and Seismology." The seismic history of the area is presented with an analysis of the earthquake hazard at the plant site.

"Environmental Monitoring Program" outlines the program for monitoring the site environs for plant effluents.

The information provided in these sections was prepared by various groups within the TVA organization that have been involved for many years with the study of environmental sciences and site selection for locating and operating conventional steam plants and hydro stations.