

10.15 POTABLE WATER AND SANITARY SYSTEMS

The potable water for use in the plumbing systems is supplied by the city of Athens, Alabama. Obtaining water from this state-approved water supply was more economical than constructing and operating either a temporary and permanent purification plant.

Backflow preventers have been installed at each cross connection to other systems to protect the potable water supply from possible contamination due to backflow. Sewage from the project is collected and treated.

These shared systems do not influence the operational safety of the plant. The portions of the systems which penetrate secondary containment were evaluated to ensure they could prevent seismically induced failure from causing a breach of containment. The lines are provided with valves to insure the containment integrity if the piping systems are damaged by seismically induced loads.