

2.7.28 Potable and Sanitary Water Systems

Design Description

The Potable and Sanitary Water Systems (PSWS) are non-safety systems that provide water for general plant use and collect liquid wastes in order to convey them to a sewage treatment facility. The PSWS provide water to, and collect liquid wastes in, the reactor building, nuclear annex, turbine building, radwaste building, and station service building.

Those portions of the PSWS that are within the reactor building, nuclear annex, turbine building, radwaste building, and station service building are within the scope of the Certified Design. Those portions of the PSWS that are not within the reactor building, nuclear annex, turbine building, radwaste building, and station services building are not within the scope of the Certified Design.

There are no interconnections between the Potable and Sanitary Water Systems and systems having the potential for containing radioactive material.

Inspections, Tests, Analyses, and Acceptance Criteria

Table 2.7.28-1 specifies the inspections, tests, analyses, and associated acceptance criteria for the Potable and Sanitary Water Systems.

Table 2.7.28-1 Potable and Sanitary Water Systems

Design Commitment	Inspections, Tests, Analyses	Acceptance Criteria
1. The Basic Configuration of the PSWS is as described in the Design Description (Section 2.7.28).	1. Inspection of the as-built PSWS configuration will be conducted.	1. For the portions of the PSWS described in the Design Description (Section 2.7.28), the as-built PSWS conforms with the Basic Configuration.
2. There are no interconnections between the PSWS and systems having the potential for containing radioactive material.	2. Inspection and testing of the as-built system will be performed.	2. There are no interconnections between the PSWS as described in the Design Description (Section 2.7.28) and systems having the potential for containing radioactive material.