2.1.4 Radioactive Waste Building

1.0 Description

The Radioactive Waste Building (RWB) is a reinforced concrete structure that houses non-safety related liquid waste storage tanks, storage facilities, and associated support systems required for normal power operation. There are no SSC required for safe shutdown in the RWB. The RWB is located adjacent to the Nuclear Auxiliary Building (NAB) as shown on Figure 2.1.4-1. Information in tables and figures in this section are for information only with the exception of the specific features listed in the ITAAC for verification.

2.0 Arrangement

2.1 The physical arrangement of the RWB is shown on Figure 2.1.4-1.

3.0 Key Design Features

3.1 Separation is provided between the RWB and EPGB 3/4 as shown on Figure 2.1.4-1 with sufficient distance to preclude interaction between the RWB and EPGB 3/4.

3.2 The RWB is classified as a Radwaste Seismic (RS) structure and is designed for the standard plant ½ SSE using criteria in RG 1.143 for RW-IIa structures.

4.0 Inspections, Tests, Analyses, and Acceptance Criteria

Table 2.1.4-1 lists the RWB ITAAC.

Table 2.1.4-1—Radioactive Waste Building ITAAC

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
2.1	The physical arrangement of the RWB is shown on Figure 2.1.4-1.	An inspection of the RWB will be performed.	The as-installed location of the RWB is as shown on Figure 2.1.4-1.
3.1	Separation is provided between the RWB and EPGB 3/4 as shown on Figure 2.1.4-1 with sufficient distance to preclude interaction between the RWB and EPGB 3/4.	An inspection of the RWB will be performed.	The as-installed RWB is separated from EPGB 3/4 as shown on Figure 2.1.4-1. A minimum separation distance of 49.5 ft exists between the RWB and EPGB 3/4.
3.2	The RWB is classified as a RS structure and is designed for the standard plant ½ SSE using criteria in RG 1.143 for RW-IIa structures.	The RWB will be analyzed for the seismic criteria specified in RG 1.142 for RW-IIa structures. During construction, deviations from the approved design will be analyzed.	The as-installed RWB is designed in accordance with the criteria stated in RG 1.143 for RW-IIa structures.

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