

2.1.3 Nuclear Auxiliary Building

Design Description

1.0 System Description

The Nuclear Auxiliary Building (NAB) is a reinforced-concrete structure that houses non-safety related auxiliary systems required for normal power operation. There are no structures, systems, or components (SSC) required for safe shutdown located in the NAB. The NAB is located adjacent to the Fuel Building (FB), Safeguard Building (SB) Division 4, and Radioactive Processing Waste Building (RWB), as shown on Figure 2.1.3-1.

2.0 Arrangement

2.1 The basic configuration of the NAB is as shown on Figure 2.1.3-1—Nuclear Auxiliary Building Location.

3.0 Mechanical Design Features

3.1 The NAB is a Seismic Category II and RW-IIa structure and will withstand design basis loads, as specified below, without loss of structural integrity:

- Seismic load equal to a Safe Shutdown Earthquake.
- Tornado wind load as specified in Regulatory Guide 1.76.
- Hurricane wind load as specified in Regulatory Guide 1.221.
- Other loads as specified in Regulatory Guide 1.143.

3.2 Deleted.

Inspections, Tests, Analyses, and Acceptance Criteria

Table 2.1.3-1 lists the NAB ITAAC.

Table 2.1.3-1—Nuclear Auxiliary Building ITAAC

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
2.1	The basic configuration of the NAB is as shown on Figure 2.1.3-1.	An inspection of the basic configuration of the as-built NAB will be performed.	The basic configuration of the NAB is as shown on Figure 2.1.3-1.
3.1	<p>The NAB is a Seismic Category II and RW-IIa structure and will withstand design basis loads, as specified below, without loss of structural integrity:</p> <ul style="list-style-type: none"> ● Seismic load equal to a Safe Shutdown Earthquake. ● Tornado wind load as specified in Regulatory Guide 1.76. ● Hurricane wind load as specified in Regulatory Guide 1.221. ● Other loads as specified in Regulatory Guide 1.143. 	An inspection and analysis will be performed to verify the as-built NAB structure will withstand design basis loads.	<p>A report concludes that the NAB structure will withstand design basis loads, as specified below, without loss of structural integrity:</p> <ul style="list-style-type: none"> ● Seismic load equal to a Safe Shutdown Earthquake. ● Tornado wind load as specified in Regulatory Guide 1.76. ● Hurricane wind load as specified in Regulatory Guide 1.221. ● Other loads as specified in Regulatory Guide 1.143.
3.2	Deleted.	Deleted.	Deleted.