

## **1.0 Introduction**

COLA Part 9 identifies inspections, tests, analyses and acceptance criteria (ITAAC) applicable to STP 3 & 4. The ITAAC are used to provide reasonable assurance that STP 3 & 4 have been properly constructed and will be operated in conformity with the license, the provisions of the Atomic Energy Act, and the NRC's rules and regulations. Confirmations of performance of and compliance with ITAAC establish the basis for NRC authorization of initial nuclear fuel loading and startup and power ascension testing. The ITAAC are not applicable after fuel loading and expire when the NRC makes the required finding under 10 CFR 52.103(g).

COLA Part 9 contains ITAAC that are included in the ABWR design certification material, site specific ITAAC, and ITAAC focused on emergency planning and safeguards and security requirements.

### ***Design Certification ITAAC***

Design certification ITAAC in this COLA are based on the ABWR design certification material. These ITAAC are focused on confirming regulatory compliance with the certified design. The majority of these ITAAC are incorporated by reference to the certified design. Based on NRC approval of the certified design ITAAC, the ITAAC that are incorporated by reference do not require additional NRC review in the COLA proceedings. These ITAAC are provided in COLA Part 9, Section 2.0.

Exemptions from the certified design material for ABWR systems that incorporate changes to the certified design are evaluated in COLA Part 7, and require NRC concurrence reviews. The exemptions evaluations in COLA Part 7 include applicable changes to the ITAAC. COLA Part 9, Section 2.0 identifies changes in the certified design ITAAC by means of redlining.

### ***ITAAC for Site Specific Systems***

COLA Part 9, Section 3.0 identifies the ITAAC for the site-specific systems that must be satisfied. The ITAAC verification methodology for basic configuration for the site-specific SSCs will follow the verification methodology as stated in DCD Tier 1, Section 1.2.

### ***Emergency Planning ITAAC***

COLA Part 9, Section 4.0 identifies the emergency planning ITAAC that must be satisfied prior to NRC authorization for fuel loading.

### ***Physical Security ITAAC***

COLA Part 9, Section 5.0 identifies physical security ITAAC that must be satisfied prior to NRC authorization for fuel loading.

