XX/YY/ZZZZ (Date)

To: NRC

From: {Name of Licensee}
{Site Name and Unit #(s)}
{Docket #(s)}

Subject: Completion of ESBWR ITAAC 2.13.1-2, Item 6.c.

The purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of {Site Name and Unit #(s)} Inspection, Test, Analysis and Acceptance Criteria (ITAAC) 2.13.1-2, Item 6.c, On-Site AC Power, in accordance with 10 CFR 52.99(c)(1). The closure process for this ITAAC is based on the guidance described in NEI-08-01 (Reference 1).

ITAAC Statement

Design Commitment

The standby power supply breaker closes when the standby diesel generator is ready to load.

Inspection/Test/Analysis

Testing will be performed using real or simulated signals.

Acceptance Criteria

Test report(s) demonstrate that the as-built standby power supply breaker closes after receiving a real or simulated ready to load signal from the standby AC power system.

ITAAC Determination Basis

New ESBWR Reactor Plant Unit 3 Pre-operational test NN3-XX-123 (Reference 2), The Onsite AC Power System was completed with the results reviewed and accepted. Section x.x.x.x tested the ability of the standby power supply breaker to close when the associated diesel generator was at rated speed and voltage.

Performance of this section of the test required generation of a standby power supply breaker closure signal when the AC standby diesel generator ready logic is satisfied. The AC standby diesel generator ready logic consists of five inputs: normal supply breakers open on the associated 13.8 kV busses; AC standby diesel generator output voltage >95%; associated 13.8 kV bus residual voltage

<25%; electrical lockout relay not energized on the AC standby diesel generator; and mechanical emergency stop signals not satisfied.

Initial conditions for the test are that the AC standby diesel generator is ready to start and the associated 13.8 kV bus is energized with its standby diesel generator breaker open. Alternate AC supplies from other busses are verified open and racked out. This test is performed by manually starting the AC emergency diesel generator and verifying it reaches operating speed and voltage. At steady state operations, the associated 13.8 kV bus normal supply breaker is de-energized and the AC standby diesel generator output breaker is verified to close.

During the actual test, the breaker closed as required.

The test report for the Onsite AC Power System (Reference 3) documents the results for closure of this ITAAC.

ITAAC-Related Construction Finding Review

In accordance with plant procedures for ITAAC close-out, New ESBWR Reactor Plant Unit 3 performed a review of ITAAC-related construction findings and associated corrective actions. This review determined that X associated findings, listed below, have been identified.

1. {ITAAC-related construction finding #1}

2. {ITAAC-related construction finding #2}

3. {ITAAC-related construction finding #3}

The corrective actions for each finding have been completed and each finding closed. This review is documented in the close-out package for ITAAC 2.13.1-2, Item 6.c, (Reference 4) which is available for NRC review.

ITAAC Closure Statement

Based on the above information, New ESBWR Reactor Plant Unit 3 hereby notifies the NRC that ITAAC 2.13.1-2.6.c was performed for New ESBWR Reactor Plant Unit 3, and that the prescribed acceptance criteria were met.

We request NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact {Name of licensing Representative} at {Contact Number for Contact Person}.

Sincerely,

{Signature of Licensee Representative}
{Title of Licensee Representative}

References (available for NRC review)

1. NEI 08-01, Industry Guideline for ITAAC Closure Process Under 10 CFR Part 52
2. NN3-XX-123, Standby Diesel Generator System Test Procedure
3. On Site AC Power System Test Report.
4. ITAAC 2.13.1-2, Item 6.c, Standby Diesel Generator System Close-out Package.