

XX/YY/ZZZZ (Date)

To: NRC

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

Subject: Completion of ESBWR COL ITAAC 2.3-1, Item 5.1.

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) 2.3-1, Item 5.1, Emergency Facilities and Equipment, 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

Planning Standard

10 CFR 50.47(b)(8) – Adequate emergency facilities and equipment to support the emergency response are provided and maintained.

EP Program Elements

5.1 The licensee has established a technical support center (TSC) and onsite operations support center (OSC). [H.1] ITAAC element addressed in: COL EP II.H.1

Inspection/Test/Analysis

5.1 An inspection of the as-built TSC and OSC will be performed.

Acceptance Criteria

5.1.1 A report exists that confirms the TSC has at least 174 square meters (1875 square feet) of floor space.

5.1.2 A report exists that confirms the following communications equipment has been provided in the TSC and voice transmission and reception have been accomplished:

a. NRC systems:

- (1) Emergency Notification System (ENS)*
- (2) Health Physics Network (HPN)*
- (3) Reactor Safety Counterpart Link (RSCL)*
- (4) Protective Measures Counterpart Link (PMCL)*
- (5) Management Counterpart Link (MCL)*

b. Dedicated telephone to EOF

c. Dedicated telephone to control room

d. Dedicated telephone to OSC

5.1.3 A report exists that confirms the TSC has been located in the Electrical Building.

5.1.4 A report exists that confirms the TSC includes radiation monitors and a ventilation system with a high efficiency particulate air (HEPA) and charcoal filter.

5.1.5 A report exists that confirms back-up electrical power supply is available for the TSC.

5.1.6 A report exists that confirms the OSC is in a location separate from the control room.

5.1.7 A report exists that confirms the following communications equipment has been provided in the OSC and voice transmission and reception have been accomplished:

- Dedicated telephone to control room*
- Dedicated telephone to TSC*
- Plant page system (voice transmission only)*

ITAAC Determination Basis

Personnel from the Emergency Planning and Testing organizations have completed station procedure NN3-xx-123, Emergency Response Facilities Test (Reference 2). This procedure addresses the tasks necessary to determine that adequate emergency facilities and equipment to support the emergency response are provided and maintained in accordance with 10 CFR 50.47(b)(8). Results of these inspections are reported in the Emergency Facilities and Equipment Test Report (Reference 3). Results of the tests and inspections are provided below:

ITAAC Item	Result
2.3-1.5.1.1	The TSC has xxxx square feet of floor space, which exceeds the required minimum 174 square meters (1875 square feet) of floor space.
2.3-1.5.1.2	Voice communications have been transmitted and received to and from the TSC and the following: a. NRC systems: (1) Emergency Notification System (ENS) (2) Health Physics Network (HPN) (3) Reactor Safety Counterpart Link (RSCL) (4) Protective Measures Counterpart Link (PMCL) (5) Management Counterpart Link (MCL) b. Dedicated telephone to EOF c. Dedicated telephone to control room

	d. Dedicated telephone to OSC
2.3-1.5.1.3	The TSC is located in the Electrical Building.
2.3-1.5.1.4	TSC includes radiation monitors and a ventilation system with a high efficiency particulate air (HEPA) and charcoal filter. The radiation monitors responded appropriately to test sources, and provided alarms as designed.
2.3-1.5.1.5	Back-up electrical power supply is available for the TSC. When tested by removing the normal power source, the backup power supply automatically started and accepted the TSC electrical load. In accordance with the test procedure, the TSC was powered by the backup power supply for greater than one hour.
2.3-1.5.1.6	The OSC is in the _____, which is a location separate from the control room.
2.3-1.5.1.7	Voice communications have been transmitted and received to and from the OSC and the following: a. Dedicated telephone to control room c. Dedicated telephone to TSC d. Plant page system (voice transmission only)

The results presented in the test report fully satisfy ITAAC 2.3-1, Item 5.1.

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 2.3-1, Item 5.1, (Reference 4) which is available for NRC review.

ITAAC Closure Statement

Based on the above information, {Licensee Name} hereby notifies the NRC that ITAAC 2.3-1, Item 5.1 was performed for {Site Name and Unit #(s)}, 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 Contact Person for licensee} at {Telephone Number for Contact Person}.

Sincerely,

{Signature of Licensee Representative}
{Typed Name 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, Emergency Response Facilities Test
3. Emergency Facilities and Equipment Test Report
4. ITAAC 2.3-1, Item 5.1, Emergency Response Facilities ITAAC Close-out Package.