**Revised Example D39 - Inspection of RMS Monitors ITAAC Closure Notification**

XX/YY/ZZZZ (Date)

To: NRC

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

Subject: Completion of ITAAC 3.5 00.05

The purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) in accordance with 10 CFR 52.99(c)(1) of the completion of {Site Name and Unit #} Inspections, Tests, Analyses and Acceptance Criteria (ITAAC) Item 3.5 00.05 for verifying that the Radiation Monitoring System (RMS) process radiation monitors exist as listed in ~~the Design Description in~~ Tier 1 ~~Section 3.5~~ Table 3.5-2 of the DCD. The closure process for this ITAAC is based on the guidance described in NEI 08-01 (Reference 1).

**ITAAC Statement**

Design Commitment:

*The process radiation monitors listed in Table 3.5-2 are provided.*

Inspections, Tests, Analyses:

*Inspection for the existence of the monitors will be performed.*

Acceptance Criteria:

*Each of the monitors listed in Table 3.5-2 exists.*

**ITAAC Determination Basis**

An inspection of the as-built RMS was performed to ~~demonstrate~~ verify that the process radiation monitors listed in Table 3.5-2 of the Design Control Document (DCD) are provided (installed).

Walkdown inspections of the as-built RMS were conducted between construction and pre-operational testing to confirm that the process radiation monitors listed in DCD Table 3.5-2 exist in the component locations indicated in ~~DCD~~ Tier 1 Table 3.5-7 ~~as identified in~~(see Attachment 1)~~ and are process radiation monitors~~. Inspection Plan XXX-XX (Reference 2) was used to conduct the inspection, which involved visual observations of the process radiation monitors listed in DCD Table 3.5-2 and verification that the monitors are installed in their specified

locations. Nameplate data (e.g., Make/Model) was also inspected to verify that the installed radiation monitors were as specified in design documents to provide indication of unusual radiological events as identified in the Tier 1 Design Description. The results of the inspection are documented in Reference 3.

The inspections confirmed that each process radiation monitor listed in DCD Table 3.5-2 was present in its proper location as ~~shown~~ indicated in DCD Table 3.5-7. The inspection verified that the process radiation monitors listed in DCD Table 3.5-2 exist.

**ITAAC Finding Review**

In accordance with XXX-XXX-XXX (project specific procedure for ITAAC completion), {Licensee} performed a review of all ITAAC findings pertaining to the subject ITAAC and associated corrective actions. This review found that there are no relevant ITAAC-related construction findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 3.5 00.05 (Reference 4) and available for NRC review.

**ITAAC Completion Statement**

Based on the above information, [Licensee] hereby notifies the NRC that ITAAC 3.5.00.05 was performed, and that the prescribed acceptance criteria are met.

Systems, structures and components verified as part this ITAAC are being maintained in their as-designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

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 XXX at xxx-xxx-xxxx.

Sincerely,

{Signature of Licensee Representative}
{Typed Name of Licensee Representative}
{Title of Licensee Representative}

**References (available for NRC Inspection)**

1. NEI 08-01, Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52.
2. XXX-XX, Inspection Plan
3. YYY-YY, Inspection Results Report
4. ITAAC 3.5 00.05 Completion Package

November 1, 2012

**Attachment 1**
**PROCESS RADIATION MONITOR LOCATIONS**
**(From AP1000 DCD Tables 3.5-2 and 3.5-7)**

| Process Radiation Monitors | | |
|---|---|---|
| **Equipment List** | **Equipment No.** | **Location** |
| Steam Generator Blowdown | BDS-RE010 | Turbine Building |
| Steam Generator Blowdown | BDS-RE011 | Turbine Building |
| Component Cooling Water | CCS-RE001 | Turbine Building |
| Main Steam Line | SGS-RY026 | Auxiliary Building |
| Main Steam Line | SGS-RY027 | Auxiliary Building |
| Service Water Blowdown | SWS-RE008 | Turbine Building |
| Primary Sampling System Liquid Sample | PSS-RE050 | Auxiliary Building |
| Primary Sampling System Gaseous Sample | PSS-RE052 | Auxiliary Building |
| Containment Air Filtration Exhaust | VFS-RE001 | Annex Building |
| Gaseous Radwaste Discharge | WGS-RE017 | Auxiliary Building |