

Example D35 - Equipment Grounding System ITAAC Closure Notification

XX/YY/ZZZZ (Date)

To: NRC

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

Subject: Completion of ITAAC 2.6 06.01.iii

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 2.6 06.01.iii for verifying that a connection exists between the equipment grounding system and the station grounding grid. The closure process for this ITAAC is based on the guidance described in NEI 08-01 (Reference 1).

ITAAC Statement

Design Commitment:

The EGS provides an electrical grounding system for:

- (1) instrument/computer grounding;*
- (2) electrical system grounding of the neutral points of the main generator, main step-up transformers, auxiliary transformers, load center transformers, auxiliary and onsite standby diesel generators; and*
- (3) equipment grounding of equipment enclosures, metal structures, metallic tanks, ground bus of switchgear assemblies, load centers, motor control centers, and control cabinets. Lightning protection is provided for exposed structures and buildings housing safety-related and fire protection equipment. Each grounding system and lightning protection system is grounded to the station grounding grid.*

Inspections, Tests, Analyses:

- iii) An inspection for the equipment grounding system connection to the station grounding grid will be performed.*

Acceptance Criteria:

iii) A connection exists between the equipment grounding system and the station grounding grid.

ITAAC Determination Basis

Multiple inspections are performed to verify that the Grounding and Lightning Protection System (EGS) provides an electrical grounding system for equipment grounding of equipment enclosures, metal structures, metallic tanks, ground bus of switchgear assemblies, load centers, motor control centers and control cabinets, and each grounding system is grounded to the station grounding grid. This ITAAC verifies that a connection exists between the equipment grounding system and the station grounding grid.

The equipment grounding system provides grounding of equipment enclosures, metal structures, metallic tanks, ground bus of switchgear assemblies, load centers, motor control centers, and control cabinets. The equipment grounding system connects to the station grounding grid via discreet connection points from the individual building ground loops to the station grounding grid. An inspection was performed in accordance with Inspection Plan XXX-XX (Reference 4) to verify that all connections conformed to the Electrical Installation Specification (Reference 5). The inspection included a visual inspection of the physical and mechanical condition of each connection, as well as verification that the resistance across each connection was within specified limits.

The results of the inspections are documented in an inspection report (Reference 3) and conclude that a connection exists between the equipment grounding system and the station grounding grid.

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 findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 2.6 06.01.iii (Reference 2) and available for NRC inspection.

ITAAC Completion Statement

Based on the above information, [Licensee] hereby notifies the NRC that ITAAC 2.6 06.01.iii was performed for Plant/Unit XYZ, and that the prescribed acceptance criteria are met.

Systems, structures, and components verified as part of 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 Licensing Representative}

{Typed Name of Licensing Representative}

{Title of Licensing Representative}

References (available for NRC inspection)

1. NEI 08-01, Industry Guideline for the ITAAC Closure Process Under 10 CFR Part 52.
2. ITAAC 2.6 06.01.iii Completion Package
3. Ground Grid and Equipment Grounding System Connection Inspection report XXX-XXX-XXX
4. Equipment Grounding System Inspection Plan XXX-XX
5. APP-G1-XX-YYY, AP1000 Electrical Installation Specification