From: Dentel, Glenn
Sent: Wednesday, February 26, 2014 10:44 AM
To: debbie@c-10.org
Subject: Explanation of IWE requirements - Seabrook 2012

Ms. Grinnell,

You left a voice mail with questions regarding the inspection of the containment liner and requirements of ASME IWE. I discussed this with Mel Gray and Tim O'Hara, the DRS inspector who conducted the inspection in 2012. The report described that during the fall 2012 Seabrook refueling outage, the licensee conducted an ultrasonic (UT) exam of a 1' by 1' area on the inside of the containment liner at elevation minus 26 foot and at approximate azimuth of 317.5 degrees. The UT identified this area to have a liner thickness of 0.375" and no indication of coating degradation, and no indication of exterior liner degradation. WO number 40185220-01 documented these results.

Mr. O'Hara noted the following:

1) This test was an augmented examination and was not part of the ASME baseline IWE inspection.

2) The required ASME IWE examinations are visual inspections of the coating on the interior of the containment liner. If degradation is observed on the coating during the visual inspection, the conditions are documented and the plant engineers will be required to disposition the observed conditions – UT examinations could be used to examine the liner for the necessary thickness.

3) ASME IWE requires inspection of the accessible surface area of the containment during every 10 year inspection interval. The 10 year interval is further broken down into three, 3 1/3 year periods to spread the inspections out over the life of the plant.

4) The Seabrook containment was fabricated from steel plates with 0.375" thickness. This thickness is sufficient to withstand internal containment pressures. Thus, the 0.375" UT thickness measurements demonstrates that there has been no observed deterioration due to corrosion of the containment liner since original plant construction.

Glenn Dentel
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