

**From:** [Hughey, John](#)  
**To:** ["Duke, Paul R."; Bauer, Emily R.](#)  
**Subject:** Request For Additional Information: Salem Units 1 and 2 - Relief Request SC-14R-133 Repair of Service Water piping (TAC MF1375 & 1376)  
**Date:** Tuesday, October 29, 2013 8:38:00 AM

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Paul,

By letter dated April 3, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13093A382), as supplemented by letter dated August 15, 2013 (ADAMS Accession No. ML13227A338), PSEG Nuclear, LLC (the licensee), submitted Relief Request SC-14R-133 for the repair of buried portion of the nuclear service water supply and discharge headers at the Salem Generating Station, Units 1 and 2. To complete its review, the NRC staff requests the following additional information for clarification with regard to the licensee's submittal dated August 15, 2013.

**RAI 31:**

In the licensee's August 15, 2013, letter, in response to NRC Request for Additional Information (RAI) number 7(c), the licensee stated that "...The WEKO seal can be used as a repair for remaining bell thickness of less than 0.042 inch in localized areas, including completely corroded (i.e. , thickness of 0 inch), provided that the harness assemblies are intact..."

(a) Discuss how a localized area with a thickness of 0 inch can be repaired using the WEKO seal. Describe how the through wall hole can be backfilled to prevent groundwater ingress into the pipe or service water leaking from the pipe and whether the exterior coating will be applied at the defect area.

(b) Discuss the maximum allowable defect area having zero thickness that can be repaired using the WEKO seal and that would not affect the structural integrity of the bell-spigot joint. Provide structural analysis that supports the maximum allowable defect area of zero thickness.

(c) Provide a sketch or drawing showing the potential location(s) of such defect area on the bell-spigot joint.

**RAI 32:**

Relief Request SC-14R-133 was submitted the pursuant to 10 CFR 50.55a(a)(3)(i). The NRC staff has determined that consideration of the relief request under the requirements of 10 CFR 50.55a(a)(3)(i) may not be appropriate. Please advise if PSEG requests that the NRC consider the request pursuant to 10CFR50.55a(a)(3)(ii) based on hardship or unusual difficulty justification.

Please contact me with PSEG staff availability for a teleconference regarding these RAIs.

Thank you,  
John

John Hughey

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