

Outside of Scope

**BRANCH 3
DAILY
STATUS**

Outside of Scope

4/13/10

Highlighted items were discussed at DRP/DRS Coordination meeting
BOLD items are new

Outside of Scope

SALEM ONE

Weekend Coverage:

AL1=(9X)>0.07

AL2=(2of3)>0.11

AL3=(1X)>0.13

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OUT OF SCOPE

- Buried AFW piping to the 12 and 14 S/Gs appears to have significant degradation of the protective coating and piping. The preliminary guided wave inspection results indicate that the ASME Class 2 piping is degraded below min wall. The pipe is schedule 80 4" inside diameter carbon steel piping with a coal tar type coating that appears to been hand applied. The piping run of concern involves about 150 ft of pipe that is buried at depths ranging from 4 ft adjacent to the out side of containment to 17 ft deep in a covered area adjacent to the containment.
- The UT results confirmed the guided wave results. Engineering determined they could not support operability of the piping through the next cycle.
- EOC - Unit 2 has greater margin – it is a newer plant and is presumably in better condition; documentation exists that proves the piping was opened and inspected ~10 years ago and found to be in pristine condition; ISI code gives more allowance to an operating unit (they can take credit for up to 90% of the yield stress). DRS was provided access to the available information and completed its review. There are no immediate safety concerns.
- On each unit there are three safety-related systems with buried piping (ASW, SW and control air)
 - Control air coating in tact, PSEG will document the inspection.
 - Control air small leak. PSEG cut out and replaced. Will evaluate the failure mechanism (believe it was repeatedly stepped on).
 - No previous UT inspections for service water piping, previously focused on seals for bell and spigot joints (as of end of outage all will have been replaced). Based on SW piping OE the current concern would be groundwater corrosion of the metal bands between concrete layers.
 - No recorded inspections of Unit 1 AFW piping

D-37

- PSEG evaluating past operability for Unit 1 using finite element analysis. Results will be used to determine if MC 0309 entry conditions are met (if piping was inop need to perform an MC 0309 review).

Update as 4/12 at 3:00 pm

- 80 feet of shallow pipe 25% UTs complete; 1" x 1" examination matrix; should be complete by end of 4/13
- Finite element analysis to be completed 4/14; will provide bases for past operability of Unit 1 and will be used to determine need for additional review of pipe condition at Unit 2
- Acceptable bounding analysis using 0.152 thickness at 1275 psig for Unit 1.
- Currently performing guide wave of deep pipe
- Evaluating replacing only portions of the shallow pipe rather than the entire length for time savings on critical path

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Additional Items

Status Board Items:

- Salem AFW buried piping (PRIORITY)

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