

Wilson, Peter

From: Burritt, Arthur *BT*
Sent: Wednesday, April 21, 2010 10:27 PM
To: Wilson, Peter; Clifford, James; Cline, Leonard
Cc: Lew, David; Conte, Richard; OHara, Timothy; Schroeder, Daniel; Balian, Harry

The Salem Engineering Director provided me an update on the Salem AFW about 6:30 pm. The updated information included the following:

- the finite element analysis results, that include the section of piping with the 77 mils wall thickness, identified that structural integrity would be maintain with some plastic deformation at 1275 psig.
- PSEG involved Operations (an SRO review) and addressed the SRIs questions regarding AFW system configurations and verified the maximum pressure that the buried pipe would see is bounded by 1275 psig. PSEG will provide the revised technical evaluation in the morning (4/22/10).
- PSEG is still evaluating previous testing, but at this point believes the stop check valve in the AFW line would not provide a leak tight isolation and they may in fact have previously met the ASME required testing.
- PSEG plans to excavate the in the Unit 2 fuel handling building (room to no where) and uncover the elbow at the transition from shallow to deep pipe. They hope to examine the coating and perform some UTs to support Unit 2 operability. PSEG plans to dig tonight; however, this is a high energy line break area which may create some challenges.

I have independently reviewed the UT results from the most limiting section of pipes (77 mils) and note that the thin area is very limited in size with most of the pipe wall well above 200 mils.

At this point I do not believe we meet the entry condition for a MC 0309 review

We will continue to gather information and independently confirm the results including reviews by DRS and Headquarters.