

## Lew, David

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**From:** Burritt, Arthur  
**Sent:** Thursday, April 22, 2010 8:51 AM  
**To:** Lew, David  
**Cc:** Schroeder, Daniel; OHara, Timothy; Conte, Richard; Balian, Harry; Cline, Leonard  
**Subject:** RE: AFW ASME Test for Salem Unit 2

The NJ inspectors attended the 1315 briefing in the resident yesterday and observed the discussions along with our questions to PSEG. We will continue to keep them in the loop going forward.

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**From:** Lew, David  
**Sent:** Thursday, April 22, 2010 8:37 AM  
**To:** Burritt, Arthur  
**Cc:** Clifford, James  
**Subject:** FW: AFW ASME Test for Salem Unit 2

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**From:** Collins, Sam  
**Sent:** Thursday, April 22, 2010 8:02 AM  
**To:** Lew, David; Mallett, Bruce; Leeds, Eric  
**Cc:** Roberts, Darrell; Clifford, James; Wilson, Peter; McNamara, Nancy; Dapas, Marc  
**Subject:** Reply: AFW ASME Test for Salem Unit 2

Dave, pls confirm thru the team that we are keeping NJ informed and they are moving along with us on these tech evals per the MOU. Thanks-Sam  
Sent From NRC Blackberry  
Sam Collins

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**From:** Lew, David  
**To:** Collins, Sam; Mallett, Bruce; Leeds, Eric  
**Cc:** Roberts, Darrell; Clifford, James; Wilson, Peter  
**Sent:** Thu Apr 22 07:31:56 2010  
**Subject:** FW: AFW ASME Test for Salem Unit 2

A more recent update from this morning that PSEG has concluded that they did not meet the ASME Code test requirements. We are prepared to review the licensee's risk assessment, which if adequate would allow exiting the 24-hour LCO. The LCO did start at 11:32 am yesterday.

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**From:** Schroeder, Daniel  
**Sent:** Thursday, April 22, 2010 7:24 AM  
**To:** Burritt, Arthur; Wilson, Peter; Clifford, James; Cline, Leonard  
**Cc:** Lew, David; Conte, Richard; OHara, Timothy; Balian, Harry  
**Subject:** RE: AFW ASME Test for Salem Unit 2

PSEG has reviewed design documentation and contacted the vendor for the AFW stop check valves. They believe the design is for a tight shut off and are preparing a risk evaluation for a missed surveillance of the ASME required drop test. This is due by noon today. This updates bullet 3 below.

Thanks,  
Dan

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**From:** Burritt, Arthur

**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

**Subject:**

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.