

From: Michael Modes — *Regional*
 To: Kenneth Karwoski — *NRR*
 Date: 4/23/04 7:02AM
 Subject: Re: MILLSTONE 3

Email of 4/21:

"BTW this outage, 10 plugged as follows: 1 AVB, 1 >40% loose part wear (bare weld wire about 3 inches long), 5 preventatively plugged for wear from loose parts, 3 plugged to cage a part."

>>> Kenneth Karwoski 04/23/04 06:16AM >>>

One more question - did they find any other restrictions during their 2004 outage?

Thanks,

Ken

✓>>> Michael Modes 04/21/04 12:19PM >>> *RJ*
 Do they have any idea on what caused this? No.

Why didn't they investigate? They can't remember why they didn't (literally because that was before Larry Loomis had direct responsibility for the Millstone 3 generators) and they regret they don't have more information.

As you know, a "dent" doesn't just occur in the middle of the tubesheet. Strange isn't it.

I'm wondering to what extent there was a crack in there which caused water in leakage, and then the diode effect "dented" the tube. No indication they had leakage and no indication it was cracked. However if you can't get a probe in there without all sorts of wobble how would you do a valid test anyway? Which may be why they didn't investigate it further.

If there is a crack in this tube, what about the others? I don't recall any cracking in other tubes ... what I do recall is these are boring generators to inspect because nothing interesting is happening.

I recognize they have 600TT, and this isn't a structural integrity concern. Me too however it does peak my curiosity.

Ramble on my friend.

✓>>> Michael Modes 04/21/04 11:08AM >>> *RJ*
 This verifies my previous reply with the following addition:

The "dent" in the tube was approximately midway into the tube sheet (i.e. it was somewhere around 11" from the top and 13" from the bottom or the other way around ... a rough recollection) and was never characterized by the licensee. Once the minimum probe failed to pass they withdrew and plugged.

✓>>> Raymond Lorson 04/21/04 08:45AM >>> *RJ*
 Michael:

Pls follow-up with Ken on the Mill 3 question.

Ray

✓>>> Kenneth Karwoski 04/21/04 08:36AM >>> *NRR*
 Ray,

D/2

We recently received a response to an RAI from Millstone 3. The RAI came out of our review of their annual steam generator inspection report. In the response to one of our questions, they indicated that one tube was obstructed in the tubesheet region and that this obstruction was service induced.

Normally, we would just go back to the PM with some follow up questions such as what was the cause and what are the implications. However, I believe when I spoke with Michael Modes last week on the loose parts Info Notice, he indicated that he was at Millstone 3.

If Michael is there (or was there recently), can you have him give me (or Yamir Diaz - the reviewer for the annual report) a call. We wanted to touch base with him before we contact the licensee through the PM (to see if he had any insights on what may have been done in the past and whether they found anything similar this outage).

Thanks,

Ken
301-415-2752

CC: Yamir Diaz