From: Edmund Sullivan MRR
To: David Lew RF
Date: Tue, May 30, 2000 5:14 PM
Subject: Fwd: Waltz Mill trip

David,

I thought you might want Caius' inspection report input. It fills out some details that I did not get into.

Ted

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 6
FOIA- 2001-0256

P/3

1.10

ITEM # 152

(4)

From: <Doddcv@[redacted]
To: OWFN_DO.owf2_po(EJS)
Date: Tue, May 30, 2000 10:14 AM
Subject: Waltz Mill trip

Ted:
Here are my comments on the trip. I read your report and have no disagreements. This is what I had written before I got your Email.

Meeting at Waltz Mill on May-23-25

I arrived at Waltz Mill about 2:00 pm, having been delayed on leaving Knoxville. Wayne Schmidt and I discussed the recent review of the inspection and data as presented by Don Adamonis of Westinghouse. Ted has a copy of his presentation.

Wednesday morning I held discussions with Riley Looper, Mark Mast, Jeff Rachiatore and Gary Pierini about steam generator inspections in general and the Indian Point inspection in particular. We reviewed tube 34/51 of SG22 again, and called up the analyst's settings and what he recorded. The analyst called one defective tube in the same cal group and then miss the next two "Monkey Signals" However the analyst did place the balls on the defect signal. This automatically makes a call on the signal. Riley speculated that he then made editing errors on the next two tubes and removed them from the list of defective tubes and called them both NDD. How this happened is a mystery to all concerned. If this represents a weakness in the data recording procedure, then corrections should be made for future inspections. While most analyst are very good at analyzing eddy-current data, few are much good at typing.

This error was in the initial inspection, where the Cecco and bobbin calls were used to determine which tube to inspect. Eight tubes were identified as having cracks and all were subjected to pressure testing. The tube 34/51 failed the pressure test. After degradation was discovered in the tube sheet region of this tube, all of the tubes were tested using the plus point, and they were scanned over a greater length than used before. Therefore, all the tubes were not only reinspected, they were re-analyzed using many new analysts.

There were five additional calls made on all of the tubes. Of this five, only two were single analyst calls. One of the tubes had a very marginal defect, that may not have been real. The other had a small but distinct defect. Although the voltage was smaller than that of the "Monkey Tubes", I requested that all of the tubes inspected by that analyst be redone.

I noted that the new ceramic probe produced scans that did not appear as distinct as those using the initial Zetec plus-point probe. Also, the 0.080-inch coil was left off of this probe. I copied one of the calibration groups and I will review this probe to see if the initial appearance is correct. I also copied the cal groups for all of the u-bend data, including the ones found after the initial mid-range probe inspection. These tubes will be profiled.

While we were looking at data, Amrit Sagar came up to the computer station.

I introduced him to Ted and David Lew. He ventured his opinion of the inspection of other plants with sludge pile defects. He later called me at the motel to discuss how I was going to do the profiles of the tubes. I stressed the importance of doing independent profiles of the tubes, so that areas of disagreement will be apparent, and they represent uncertainty in the data that we are using.

On Wednesday I went back to the Motel to discuss the Indian Point inspection with Lisa Hoston with the inspector general's office. The total time spent on this was approximately three hours.
At Wayne Schmidt's request, I sent him a copy of the probe write-up that I made several years ago.

CC: OWFN_DO.owf2_po(ELM),OWFN_DO.owf4_po(SMC1)

Received: from igate.nrc.gov ([148.184.176.31])
by smtp (GroupWise SMTP/MIME daemon 4.1 v3)
; Tue, 30 May 00 10:14:54 EDT
Received: from nrc.gov
by smtp-gateway ESMTPœ id KAA15014;
Tue, 30 May 2000 10:14:42 -0400 (EDT)
From: Doddcv@[redacted]
Received: from Doddcv@[redacted]
by imo-r14.mx.[redacted](mail_out_v27.9.) id f.f.47541a6 (8231);
Tue, 30 May 2000 10:14:09 -0400 (EDT)
Message-ID: <f.47541a6.266526b1@a[redacted]
Date: Tue, 30 May 2000 10:14:09 EDT
Subject: Waltz Mill trip
To: ejs@nrc.gov
CC: smc1@nrc.gov, elm@nrc.gov
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
X-Mailer: AOL 4.0 for Windows 95 sub 26

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