



Commonwealth Edison
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ED-96-0210-BRW

Document Control Desk
Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Braidwood Station Unit 1
Steam Generator Interim Plugging Criteria 90 Day Report
NRC Docket No. STN 50-456

- References:
1. March 5, 1996 letter from T. J. Tulon to Nuclear Regulatory Commission, Braidwood Station Unit 1 Steam Generator Interim Plugging Criteria 90 Day Report.
 2. NRC Generic Letter 95-05, Voltage-Based Repair Criteria for Westinghouse Steam Generator Tubes Affected by Outside Diameter Stress Corrosion Cracking.

In Reference 1, Braidwood Station submitted the 90 Day Report as required by Reference 2. Further review of Attachment B of Reference 1, found the following information missing:

1. Table 3-8, containing the tabular form of the non-destructive examination uncertainty distribution used in predicting the end-of-cycle voltage distribution. This information is discussed in Section 3.3 of Reference 1 Attachment B.
2. Figure 3-7, containing the graphical form of the voltage distribution for indications left in service at the beginning of the next operating cycle that were confirmed by a Rotating Pancake Coil (RPC) probe or not RPC inspected. The data for this graph can be obtained from Table 3-1 of Reference 1 Attachment B.
3. Figure 3-8, containing the graphical form of the non-destructive examination uncertainty distribution used in predicting the end-of-cycle voltage distribution. This information is discussed in Section 3.3 of Reference 1 Attachment B.

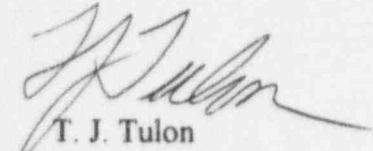
These tabular and graphical forms are required to be in the 90 Day Report per Section 6.b of Reference 2.

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Please direct any questions regarding this submittal to Doug Huston, Braidwood Licensing Supervisor, (815) 458-2801, extension 2511.

Very truly yours,



T. J. Tulon
Station Manager
Braidwood Station

TJT/LA/grv

Attachments

cc: Senior Resident Inspector - Braidwood
Braidwood Project Manager, NRR
Regional Administrator - RIII

Table 3-8
Probe Wear and Analyst Variability - Tabulated Values

<u>Analyst Variability</u>		<u>Probe Wear Variability</u>	
Std. Dev = 10.3% Mean = 0.0%		Std. Dev = 7.0% Mean = 0.0%	
No Cutoff		Cutoff at +/- 15%	
Value	Cumul. Prob.	Value	Cumul. Prob.
-40.0%	0.00005	< -15.0%	0.00000
-38.0%	0.00011	-15.0%	0.01606
-36.0%	0.00024	-14.0%	0.02275
-34.0%	0.00048	-13.0%	0.03165
-32.0%	0.00095	-12.0%	0.04324
-30.0%	0.00179	-11.0%	0.05804
-28.0%	0.00328	-10.0%	0.07656
-26.0%	0.00580	-9.0%	0.09927
-24.0%	0.00990	-8.0%	0.12655
-22.0%	0.01634	-7.0%	0.15866
-20.0%	0.02608	-6.0%	0.19568
-18.0%	0.04027	-5.0%	0.23753
-16.0%	0.06016	-4.0%	0.28385
-14.0%	0.08704	-3.0%	0.33412
-12.0%	0.12200	-2.0%	0.38755
-10.0%	0.16581	-1.0%	0.44320
-8.0%	0.21867	0.0%	0.50000
-6.0%	0.28011	1.0%	0.55680
-4.0%	0.34888	2.0%	0.61245
-2.0%	0.42302	3.0%	0.66588
0.0%	0.50000	4.0%	0.71615
2.0%	0.57698	5.0%	0.76247
4.0%	0.65112	6.0%	0.80432
6.0%	0.71989	7.0%	0.84134
8.0%	0.78133	8.0%	0.87345
10.0%	0.83419	9.0%	0.90073
12.0%	0.87800	10.0%	0.92344
14.0%	0.91296	11.0%	0.94196
16.0%	0.93984	12.0%	0.95676
18.0%	0.95973	13.0%	0.96835
20.0%	0.97392	14.0%	0.97725
22.0%	0.98366	15.0%	0.98394
24.0%	0.99010	> 15.0%	1.00000
26.0%	0.99420		
28.0%	0.99672		
30.0%	0.99821		
32.0%	0.99905		
34.0%	0.99952		
36.0%	0.99976		
38.0%	0.99989		
40.0%	0.99995		

Figure 3-7
Braidwood Unit-1 October 1995 Outage
Bobbin Voltage Distribution for Tubes Returned to Service
Confirmed by RPC or Not RPC Inspected

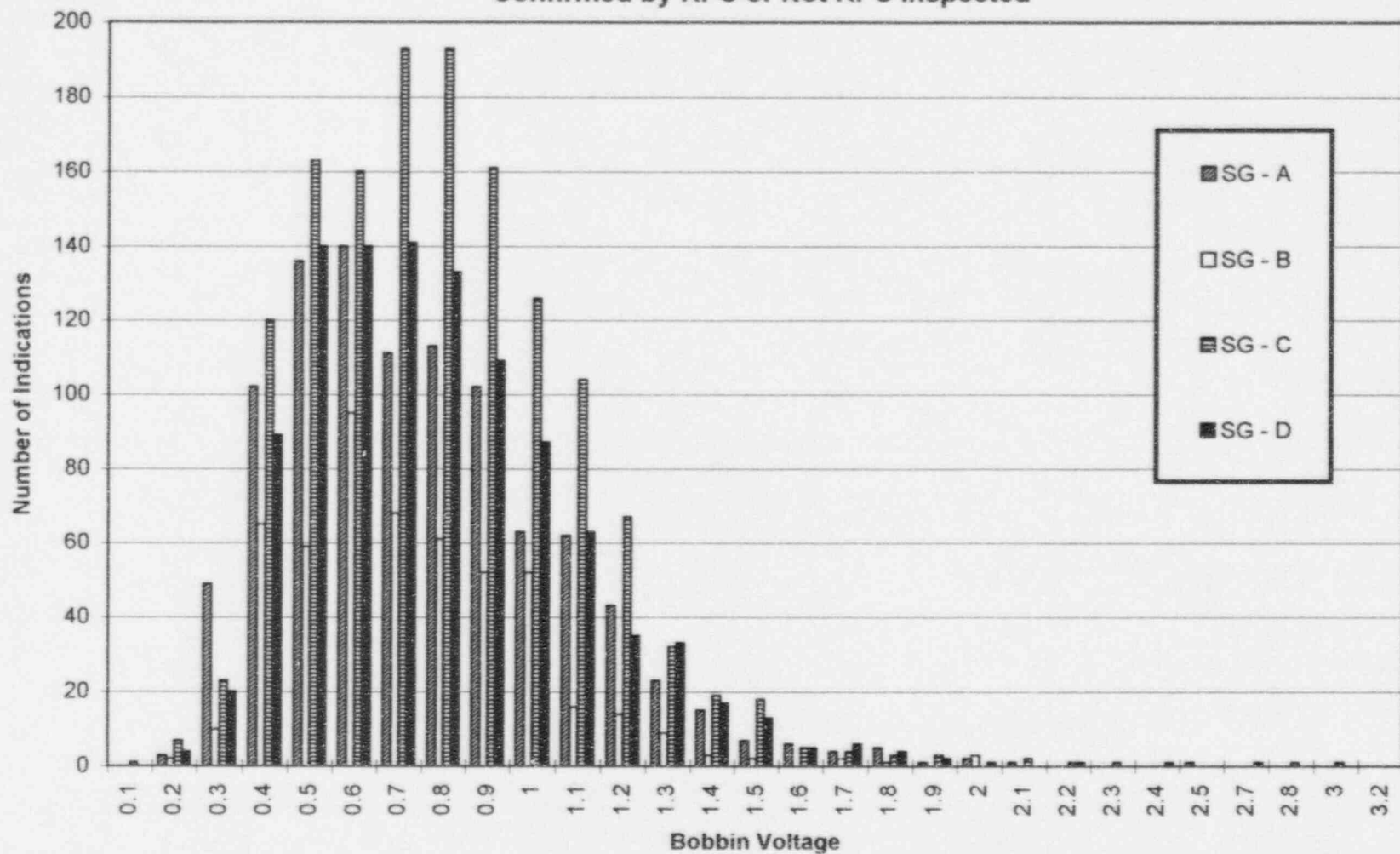


Figure 3-8
NDE Uncertainty Distributions

