

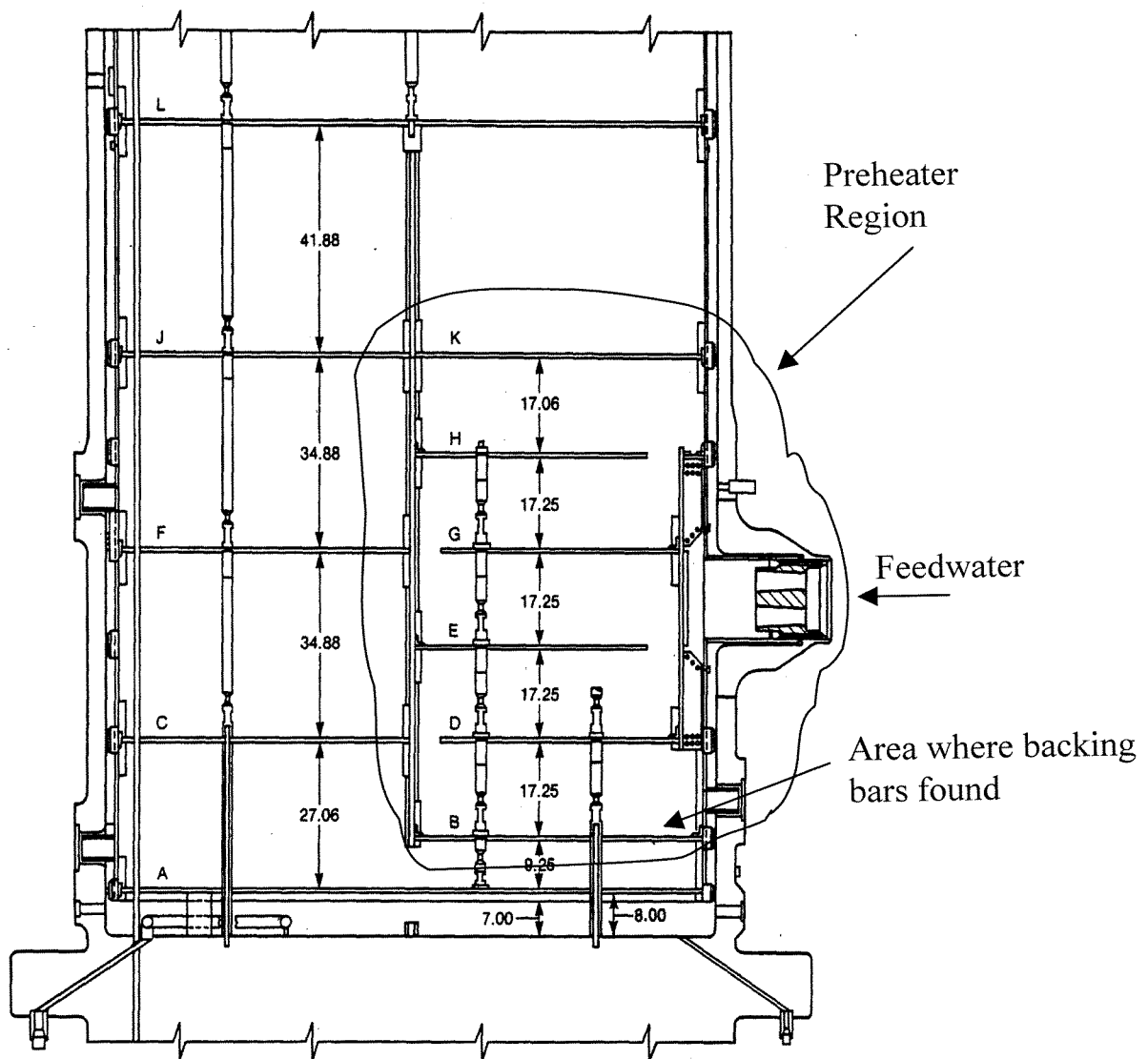
Braidwood Unit 2
Refuel 10
Fall 2003
Steam Generator Inspection
Results Summary

November 20, 2003

Braidwood / Seabrook Indication Comparison

Item	Braidwood 2	Seabrook	Notes
Tubing Material	Alloy 600TT	Alloy 600TT	
Tubing Size	0.750 OD X 0.043 t	0.688 OD x 0.040 t	
Tubing Manufacturer	W-Blairsville	W-Blairsville	Same process, except dimensions
Date of Tubing Manufacture	February-April 1980	April-July 1980	Contiguous manufacturing schedules
Operating Temperature	610.4°F	616.5°F	
First Incidence of ODSCC	12.68 EFPY	9.71 EFPY	First reported incidence
Indication Parameters	R21C50-03H	R5C62-04H	All parameters apply for a single indication
Max Bobbin Volts	0.34	0.91	
Max +Point Volts	0.41	1.24	
Max Length	0.73 in.	0.73 in.	
Max Depth from NDE	47% (Volt Based)	66% (Volt Based)	Destructive exam showed max depth =99.5%
PDA	33.5	38.6	
Pressure Prediction (137.37 ksi)	7830 psi	6948 psi	Tested to 6480 psi w/o burst (137.37 ksi)

- 1) Lengths are based on zero depth beginning to zero depth ending.
- 2) Seabrook pressures were scaled from an $S_y + S_u$ of 148.4 ksi at 650°F to the 137.37 ksi value used for Braidwood 2. The latter being the average in the Westinghouse database.



Refuel 10 Final Results

- SG A (8 Tubes Plugged)
 - 1 ODSCC at TSP
 - 2 Preventative No Degradation (Low Row Screened as High Residual Stress)
 - 2 AVB Wear
 - 3 Plugged and Stabilized due to secondary side foreign object (Bushing)
- SG B (39 Tubes Plugged)
 - 13 Plugged and Stabilized due to failed fit-up bars on secondary side
 - 22 Plugged and Stabilized as a contingency in case “in- place” fit-up bars were to fail
 - 4 Plugged and Stabilized due to weld slag on secondary side
- SG C (10 Tubes Plugged)
 - 2 ODSCC at TSP
 - 1 Preventative No Degradation (Low Row Screened as High Residual Stress)
 - 7 AVB Wear
- SG D (1 Tube Plugged)
 - 1 AVB Wear
- Total Tubes Plugged to Date = 180 ~ 0.98%