

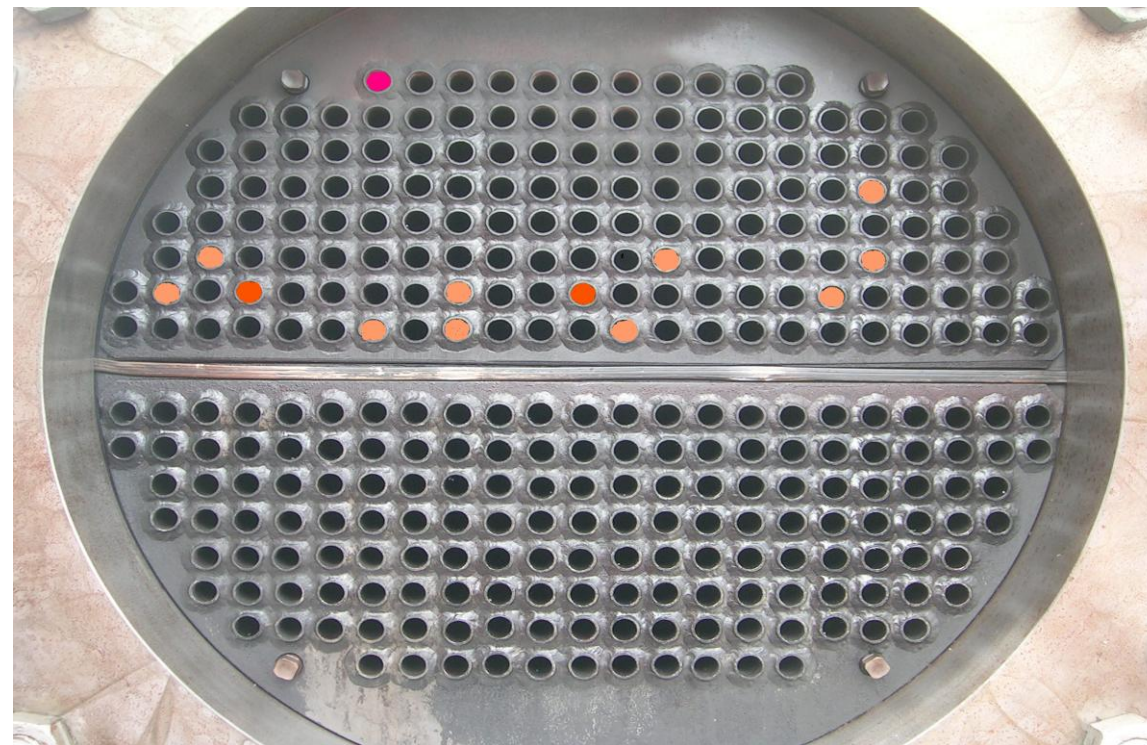
# BORESCOPE INSPECTION - SUMMARY

## Condensate Stabilizer Reboiler

Note: This analysis is based on 5% threshold for blockage, 10% threshold for erosion and 20% threshold for pitting

■ Pitting ≥ 40%  
 ■ Pitting < 40%  
 ■ Erosion ≥ 40%  
 ■ Erosion < 40%  
 ■ Hole ≥ 40%  
 ■ Blockage < 40%

Tube No	Faults								Row	Tube No	Borescope Inspection 26 March 2011	Planned additional Borescope Inspection
	Hole		Blockage		Erosion		Pitting					
	Position [m]	Diameter [mm]	Position [m]	Reduction [%]	Position [m]	Reduction [%]	Position [m]	Reduction [%]				
1	9.66	3.3							4	48 to 66	YES - 1	2,14,15,16
64							3.46	21.7	5	67 to 87	YES-2	63,65
89							5.95	28.4	6	88 to 108	YES-3	88,89,90
100							1.11	21.1	7	109 to 131	YES-4	98,99,101
105							5.91	24.6	8	132 to 154	YES-5	104,106
110							5.48	27.8			NO-Unreachable	NA
112							7.56	44.7			YES-6	111,113
117							6.88	28.3			NO-Unreachable	NA
120							8.15	57.2			YES-7	119,121,143
126							6	29.4			NO-Unreachable	NA
138							5.85	26.9			NO-Unreachable	NA
140							6.29	27.2			NO-Unreachable	NA
144							5.89	32.1			NO-Unreachable	NA



**TUBE NO 1 - FAULT: HOLE**



**Tube No:112-Fault: Pitting >40%**



Tube No:120-Fault: Pitting >40%



