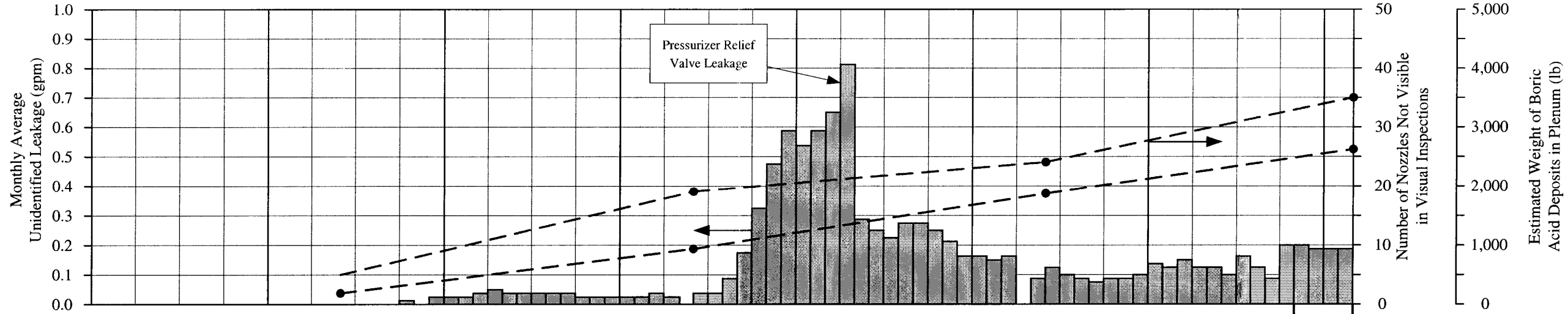
Source: EPRI/DEI



Replacement rate due to low flow SwRI test showed iron oxide concentration

Portable HEPA filters installed in containment to remove iron oxide

"Abnormally" dark deposits on filter

Replacement rate due to Iodine saturation

Containment Monitor Fiter Replacement	BA	Monthly replacement for preventative maintenance	1 week	1-2 dy	2 wks	2 wks	1 wk	1-2 dy
	AA	Monthly replacement for preventative maintenance		1 wk	2 wks	2 wks	1 wk	1-2 dy
Air Cooler Cleaning (number of cleanings)			17	2		8		

10% Power Reduction (1 day)

Calendar	1995	1996	1997	1998	1999	2000	2001	2002
Operating Cycles	Cycle 10	Cycle 11		Cycle 12.A	Cycle 12.B	Cycle 13		

RF-10 RF-11 RF-12 RF-13

Significant Information Prior to RF-10	RF-10	RF-11	RF-12	RF-13	
		1) N-31 leaks but gasket not changed	1) Replaced gaskets N-3, 5, 6, 11, 31 2) No "red" deposits under N-3 flange 3) Bottom of flange N-3 not inspected due to hard BA (A.S. 4/19/00)	1) No leakage from flange gaskets 2) "Red" deposits under N-3 flange 3) Difficult to get camera in place. 3-4" of hard, brown, boric acid	CRDM Nozzle Flange Conditions
				Significant flow of boric acid deposits from weepholes centered under N-3	Flow From Shroud Weep Holes
	1) Visual inspection 65/69 nozzles 2) Typical minor BA deposits 3) Possible popcorn at N-2?	1) Visual inspect 50/69 nozzles 2) Loose BA piling up behind some outer nozzles 3) No photos of 14 in affected zone	1) Visual inspect 45/69 nozzles 2) "Lighting and camera created orange coloration" 3) No sign of "popcorn" deposits	1) Visual inspect 34?/69 nozzles N-1: leak [N-5 & N-47 cracked] N-2: leak, circ & minor wastage N-3: leak & major wastage	RPV Head Condition

Timeline of Key Events Related to Reactor Vessel Head Boric Acid Wastage

Rev. 3 March 13, 2002