

N38. Collective Doses For Steam Generator Replacements

Collective doses and outage times incurred during steam generator replacement have both dropped from 2,140 person-rem and 560 in 1979 (Surry-2) to 290 person-rem and 100 days in 1989 (Ringhals-2). Table 1, published in a recent Nucleonics Weeks article, summarized data available to date.

Replacement Of Steam Generators

Plant	SG Vendor (Original/New)	No. of SGs	Year Start ed	Shutdown Days		Dose (man-rem)
				to Hydr o	total	
Surry-2	W/W	3	1979	303	560	2,140
Surry-1	W/W	3	1980	209	295	1,760
Turkey Point-3	W/W	3	1981	210	291	2,150
Turkey Point-4	W/W	3	1982	183	220	1,300
Obrigheim	KWU/KW U	2	1983	74	103	690
Point Beach-1	W/W	2	1983	117	210	580
Robinson-2	W/W	3	1984	225	349	1,210
Cook-2	W/W	4	1988	202	330	560*
Indian Point-3	W/W	4	1989	105	140	548*
Ringhals-2	W/KWU	3	1989	72	100	290
Dampierrel	FRA/FRA	3	1990	Ongoing		

*Preliminary

Note: Shutdown Days to Hydro: Days from shutdown until ready for hydrotesting or refueling.

Source: Colenco

For more, see article by Ann MacLacklan, Paris, in *Nucleonics Week*, May 10, 1990, pp. 9-10.