

**N3430. FRENCH OPTIMIZING OUTAGE TIME, DOSES IN STEAM GENERATOR REPLACEMENTS**

With 33.5 days from first primary pipe cut to primary system ready for hydrotest at Gravelines-2 last fall, Framatome believes it has reached an "optimum" duration for steam generator replacements (SGRs) in France.

That performance was obtained with a seven-day weekly work schedule, compared to the five- and six-day schedules used in Framatome's initial French replacements at Dampierre-1 in 1990 and Bugey-5 in 1993. Collective exposure for the Gravelines-2 job, however, stood at 1.4 man-Sievert (man-Sv, 140 person-rem), lower than the 2.13 man-Sv at Dampierre-1 but higher than at more recent French jobs at St. Laurent-B1 (0.900 man-Sv) and Dampierre-3 (1.25 man-Sv).

These results can be compared with 1.28 man-Sv at Rughals-3, 1.65 man-Sv at T<sub>1</sub> long and 2.44 man-Sv at Asco-1 in 1995; and 1.58 man-Sv at Asco-2, 0.63 man-Sv at Doel-4 and 1.69 man-Sv at Catawba-1 in 1996.

*For more information see Nucleonics Week, January 23, 1997, pp. 6-7.*