

### **N158. Dose Reduction At McGuire By Teledosimetry And Remote Communication**

The McGuire Nuclear Power Plant has developed a program to lower radiation exposures during steam generator work. Radiation protection technicians use teledosimetry as well as remote continuous communication systems to minimize collective dose.

The plant uses three types of electronic dosimeters to determine real-time dose rates without technicians entering the radiation area. Stationary dosimeters, dosimeters mounted on manipulator arms, and personal electronic dosimeters provide information on dose rates. This information is entered into a computerized survey grid which tracks worker stay times in radiation areas.

Communication with the workers augments this by allowing comparison of dose rate and stay time with worker teledosimetry. Work interruptions to determine worker exposures have been eliminated by this process.

*Taken from "Radiation Protection," The Nuclear Professional, p. 33, Spring 1992. For more information, contact Jeff Foster, Radiation Protection Manager, McGuire, (704) 875-4044.*