

## **N41. Video Camera Use Reduces Costs And Exposures**

A recent EPRI report on "Video Camera Use at Nuclear Power Plants" summarizes successful uses of closed circuit television cameras. The following were among the applications cited with specific dose savings:

### **Jobs In BWRs:**

Multiple surveillance tasks in high-radiation areas of the turbine building (Dose Savings: about 25 person-rem per year)

Variety of inspection and surveillance tasks in drywell (Dose Savings: 10.6 person-rem over a 13-day period)

### **Jobs In 2-Unit BWRs:**

Multiple surveillance tasks in high-radiation areas of the turbine building. (Dose Savings: Operations, maintenance, and health physics personnel each saved 8-12 person-rem per year)

Recirculation pipe replacement (Dose Savings: 53.5 person-rem)

Reactor vessel bottom drain hydrolasing (Dose Savings: 3 person-rem)

Motor operated valve replacement (Dose Savings: 5 person-rem)

Recirculation system valve upgrade in drywell (Dose Savings: 2.6 person-rem)

### **Jobs In PWRs:**

Reactor vessel head and cavity decontamination (Dose Savings: 0.7 person-rem in one outage) Reactor coolant pump changeouts (Dose Savings: 0.25 person-rem during one outage)

Steam generator inspections and sludge lancing (Dose Savings: 1.2 person-rem during one refueling outage)

Steam generator primary side repairs (Dose Savings: 5.5 person-rem during one refueling outage.)

Multiple surveillance tasks (Dose Savings: Estimated 0.9-1.5 person-rem during five routine outage tasks)

*For more, see Estabrook, M.L., M.O. Langan and D.E. Owen, "Video Camera Use at Nuclear Power Plants," EPRI Report NO. NP-6882, August 1990. Available from Research Reports Center, P.O. Box 50490, Palo Alto, CA 50490).*