

N193. 1992 Exposure Reduction Plans at Surry Power Station

At Surry Power Station, one of the Maintenance Department's 1992 Exposure Reduction Plans was to combine QMT/ALARA meetings to give higher visibility to ALARA and ARW concerns. This was to further emphasize the philosophy that ALARA is not a separate entity, but inherent in our quality approach to the task. This plan has been implemented since January 1992. Maintenance teams are picking concern areas and implementing solutions. Some examples where ALARA concerns are being given attention are:

- To ensure that team consistently and evenly distributes high exposure tasks in accordance with ALARA.
- Have zero personnel contamination exposures in 1992.
- Reduce exposure incurred from inoperative Gaitronics.
- To provide more cross-training on unfamiliar equipment. One idea is to use mock-ups. Some equipment could be pulse height analyzers, conductivity analyzers, rad monitor recorders, etc. Research and build a portable instrumentation and control cart with all needed instrumentation and gauges.
- To improve tool situation in Auxiliary Building Tool Room, thereby reducing unproductive time and rad-waste. To perform cost-benefit analysis and research the need for ALARA tool to bevel check valves.
- To establish a permanent storage and test area for refueling tools.

The welders have had great success in ensuring that tools needed prior to the outage were available. The support received from the maintenance Services Department and Nuclear Site Services has been excellent. Brilliant grinding wheel and tool support has ensured that the Welding Team is well prepared for outage challenges.

Another noteworthy team effort occurred on March 6, 1992. The entire electrical maintenance shop was briefed on radiation work permits (RWP), good radiation work practices, and low-dose waiting areas. This meeting allowed for an open exchange about ALARA concerns.

One of the more challenging exposure reduction plans was to coordinate and work closely with the Refueling group (who significantly impact our exposure goals), and to ensure that everyone works as part of one team. This was already being done, but needed extra focus and fine tuning. Westinghouse ALARA Coordinator, Lois McCray, has had the responsibility for ensuring the success of this goal. Prior to the outage, goals of less than 46 R and 9 personnel contamination exposures were prepared.

Taken from a Surry Power Station Maintenance Report, March 1992. For further information, contact Kathleen Wyatt, Virginia Power, Surry, Route 650, P.O. Box 15, Surry, VA 23883, 804/365-2509.