

BNL ALARA CENTER

Processes and Practices Related to Occupational Dose

ID: 1014

WORKER TRAINING FOR SELF-MONITORING

Keywords: OPERATIONAL AND MAINTENANCE TECHNIQUES; PROCEDURE TRAINING; SELF-MONITORING

Description:

In most countries radiation protection personnel have responsibility for supervision and administration of most aspects of radiation protection including the provision of monitoring services. However, an alternate approach is adopted in Canada, with very good results. There the nuclear plant workers are given fairly advanced training in monitoring in other aspects of radiation protection and are then made responsible for their own radiation safety and, depending on the level of training, also of the safety of other personnel who have not yet acquired the necessary qualifications in radiation protection.

Many of the benefits of this approach are obvious, but there are also some hidden benefits. Among the main benefits are: (a) The fact that the radiation protection personnel are relieved of the day-to-day responsibilities of radiation protection results in their concentration on

more important general aspects of the radiation protection program. (b) There is a significant reduction in the manpower requirements of the radiation protection personnel. (c) There is a greater awareness and understanding of the ALARA concept.

References and Selected Abstracts:

1. Radiation Protection at a Canadian Utility. Jan. V. Burnham (New Brunswick Electric Power Commission P.O. Box 2000 Fredericton, New Brunswick Canada E313 4x1). Radiation Protection Management. January 1986

The radiation protection program at the Point Lepreau Nuclear Generating Station is outlined with emphasis on those aspects that are believed to be somewhat different from radiation protection programs at U.S. utilities: the responsibilities for radiation protection, staff training, and an integrated approach to radiation control. Man-rem expenditures and effluent releases are summarized for the first three years of plant operation.

2. Johnson C.P., et. al. "Collective Radiation Exposure Task Force Report = Hope Creek Generating Station" April, 1987.