

BNL ALARA CENTER**Processes and Practices Related to Occupational Dose**

ID: 1005

ENGINEERING DESIGN AND REVIEW FOR ALARA

Keywords: ALARA DESIGN REVIEW; OPERATIONAL AND MAINTENANCE TECHNIQUES; ALARA DESIGN CHANGES; DOSE REDUCTION; EQUIPMENT MODIFICATION AND REPLACEMENT; PROCEDURES; ALARA REVIEW

Description:

Application of the ALARA principle at the design stage is essential for cost-effective and timely improvements. Thus, all-station modification should be reviewed by individuals with radiation protection expertise. In addition, an active ALARA dose reduction effort should be established to seek out potential dose reduction opportunities and have them evaluated for possible implementation. This is sometimes achieved through the use of a nuclear department ALARA committee, a station ALARA committee, or a special dose reduction task force in compassing representatives from operations plant maintenance, radiation protection, chemistry, and possibly training. This items also relates to another item in the data base called "Overall Plant ALARA Study and Prioritization of Actions".

References and Selected Abstracts:

1. Johnson, C.P., et. al, "Collective Radiation Exposure Task Force Report Hope Creek Generating Station," PSE and G Internal Report, April, 1987, p. 78 and 79.