

## BNL ALARA CENTER

**Processes and Practices Related to Occupational Dose**

ID: 52

**SPECIAL SHIELDS****Keywords:** SPECIAL SHIELDS; RADIATION SHIELDING; RADIATION SHIELDS**Description:**

Several area in nuclear plants have localized areas where radiation levels are much higher than the ambient radiation levels. Typically, these areas are posted, barricaded or labelled as "hot spot". Some of these areas may be cost effective to fabricate and instal special permanent or temporary shields. Some areas where special shields have been used include hot spots in drywell and PWR containments, TIP detector cables, grating around RCPS, liquid waste tanks, etc.

**References and Selected Abstracts:**

1. Patton, Prince, "Effective Shielding Techniques during Refueling Outages to Reduce Worker Exposure at Farley Nuclear Plant," presented at the 1988 Westinghouse Radiation Exposure Management Seminar, September 11-14, 1988, Pittsburg, PA.
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