

BNL ALARA CENTER**Processes and Practices Related to Occupational Dose****ID:** 49**BWR TURBINE SHIELD WALL****Keywords:** TURBINE SHIELD; RADIATION SHIELDING; TURBINE; BWR**Description:**

The turbines, associated components and piping are the major radiation source on the turbine deck during operations. With the implementation of Hydrogen Waste Chemistry radiation levels on the turbine deck and off-site have increased due to increased Nitrogen-16 activity levels in the main steam. Permanent or removable shielding around the turbine and other components carrying main steam reduces the radiation levels both on the turbine deck and off-site.

References and Selected Abstracts:

1. Boston Edison Co. Memorandum, "Cost Justification for Turbine Building Shield Wall," ERHS 86-16, January 22, 1986.