

BNL ALARA CENTER

Processes and Practices Related to Occupational Dose

ID: 50

SHUTDOWN WHEN FUEL LEAKS

Keywords: SHUTDOWN WHEN FUEL LEAKS CONTAMINATION PREVENTION; FISSION PRODUCT TRANSPORT; FUEL LEAKS; DEFECTS; SHUTDOWN FIELDS; INSPECTION; LEAK DETECTION

Description:

Continued power operation with significant fuel failure not only increases primary piping radiation levels as a results of fission product deposition but also increases personnel exposure indirectly as a result of increased contamination controls. Since the increased radiation and contamination will increase the cost to operate and maintain the plant it is prudent to shutdown when significant fuel failure is detected.

References and Selected Abstracts: