

**BNL ALARA CENTER****Processes and Practices Related to Occupational Dose****ID: 20****FUEL SIPPING****Keywords:** FUEL SIPPING; CONTAMINATION PREVENTION; OPERATIONAL AND CHEMISTRY CONTROL; FUEL; DEFECTS; FUEL; INSPECTION; LEAK DETECTION**Description:**

Fuel failures over extended operating cycles has resulted in increased out of core radiation levels not to mention increased dose resulting from increased measures to reduce fission product contamination. Early detection and removal of defective fuel will reduce the dose to workers associated with fission products. Fuel sipping programs conducted at BWR during outages and forced outages have been effective in identifying defective fuel, and reducing the additional dose resulting from failed fuel.

**References and Selected Abstracts:**

1. Eickelpasch, N. and Baur, K., "Method of AT-Reactor Fuel Examination and Repair and Selected Results for German LWRS," Kernkraftwerke Gundremmingen Betriebsgesellschaft mbH, Postfach 300, D-8871 Gundremmingen.