Benchmarking U.S. Plants for Successful Refueling Outages

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The Information System on Occupational Exposure (ISOE) database has a wealth of ALARA and outage planning information now available to operating nuclear plants. Over 20 years of radiological work management data is contained in the ISOEDAT database. In 2015, the North American Technical Center (NATC) generated ALARA benchmarking sister plant comparison reports to assist North American RP Managers in planning lower dose outages by identifying outage dose trends, good individual task dose performance, low manhour duration for selected repetitive tasks (e.g., reactor disassembly/reassembly), and ALARA lessons learned within sister unit groups.

The paper describes the process used to develop the ISOE sister plant benchmarking reports and how individual ISOE member RP Managers are using the reports to plan future successful refueling outages.