Processes and Practices Related to Occupational Dose

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MULTI-STUD TENSIONERS FOR RV HEAD

Keywords: MULTI STUD TENSIONERS; MULTI-STUD TENSIONERS; RV HEAD; REMOTE SYSTEMS; REACTOR VESSEL HEAD TENSIONER; PULLER BAR; TENSIONER; CLAM SHELL TENSIONER

Description:

Reactor assembly and disassembly on the average expends approximately 24 MAN-REM at BWRs and approximately 50 MAN-REM at PWRs. Detensioning and tensioning of the reactor vessel studs typically accounts for 30-50% of the reactor assembly disassembly dose. By using a multiple stud tensioning device personnel exposures are drastically reduced and significant critical path time can be saved. For a single reactor site with reactor assembly and disassembly on critical path, 43 hours critical path time, 196 manhours and approximately 26.3 rem/yr can be saved. The majority of the French and German reactors have been routinely using these detensioning devices with much success.

References and Selected Abstracts:
