

Overview of Quad Cities Improvement Efforts

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Recent Quad Cities Focus Areas

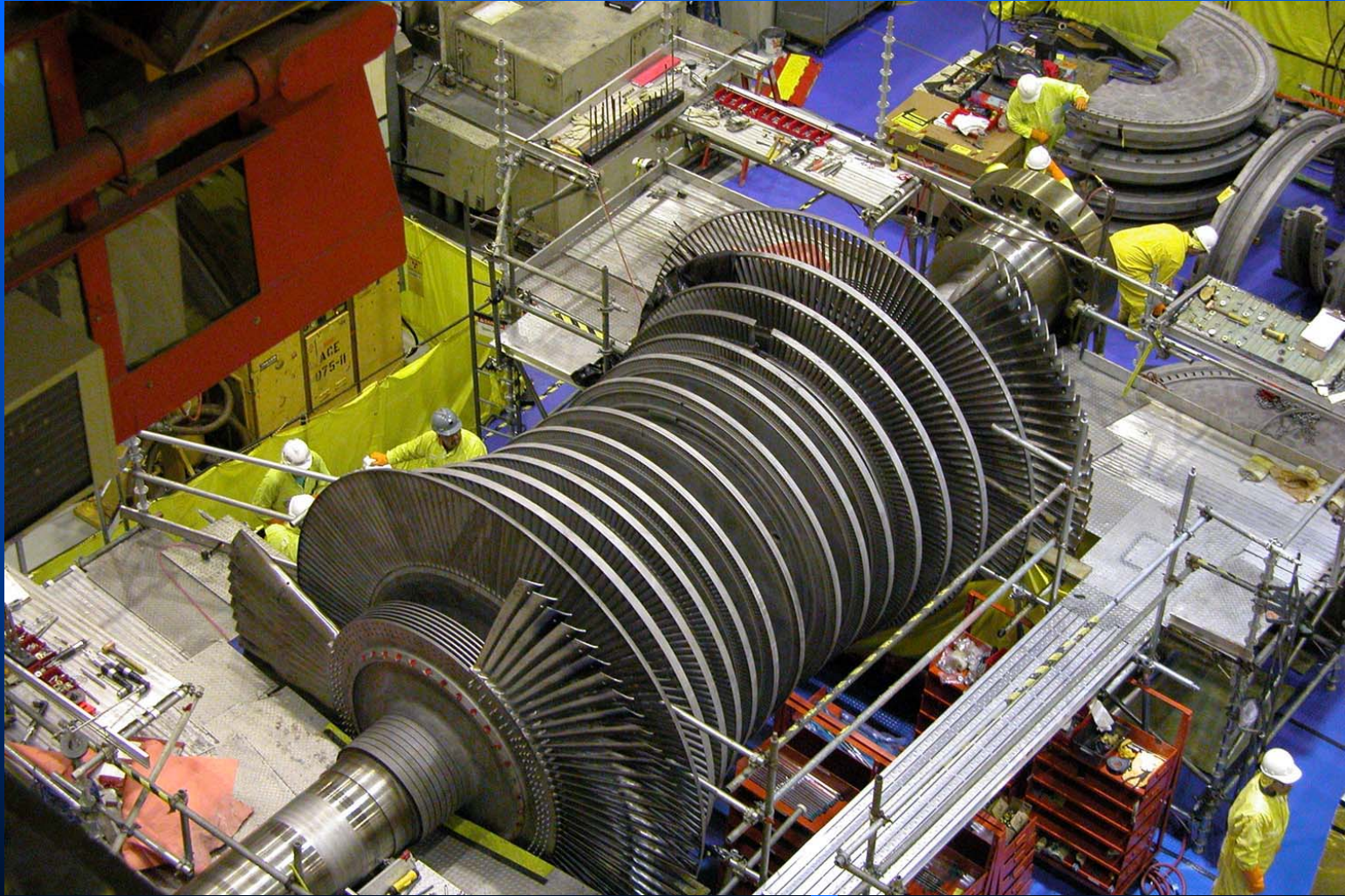
- Successful radiological source-term reduction
- Successful installation of new steam dryer in Unit 2
- Completion of significant upgrades on Quad Unit 1 during recent refuel outage

Source Term Reduction

Major Radiological Source-Term Actions

- Reactor recirculation piping chemical decontamination
- Replace turbine buckets (cobalt source)
- Install permanent drywell shielding
 - **Actions completed:**
 - » Unit 1 March 2005
 - » Unit 2 March 2004

LP Turbine L-0 Bucket Replacement



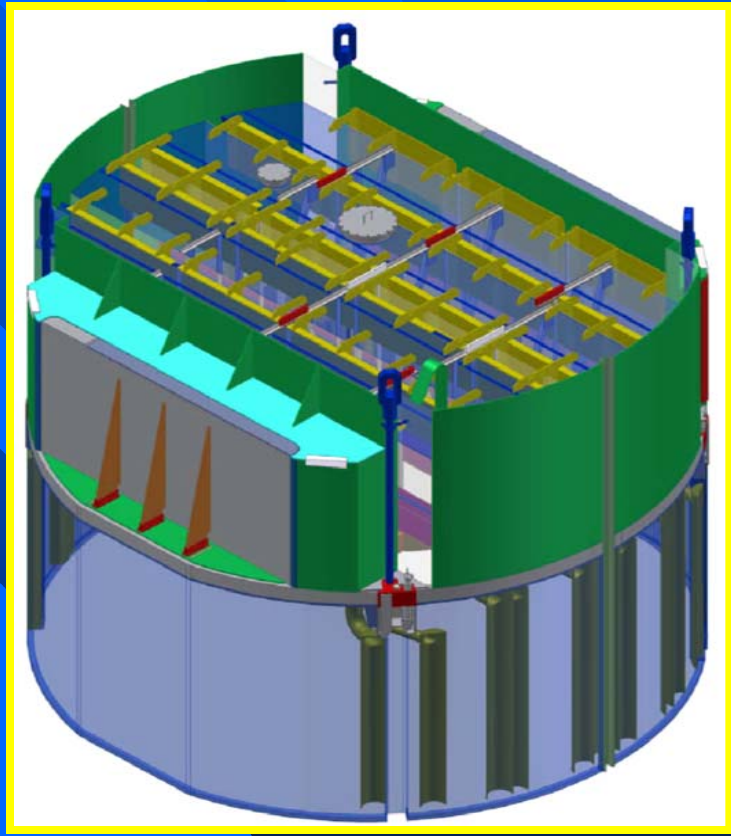
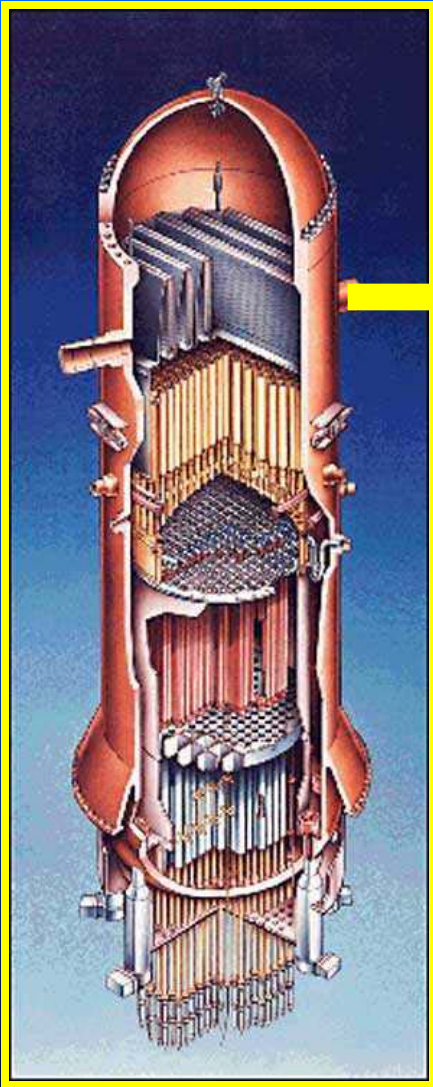
Source Term Reduction Results

- Drywell radiation benchmarks reduced by 40%
- Expect similar results on Unit 1
- Expect continuing decrease in radiation exposure to our workers in the future

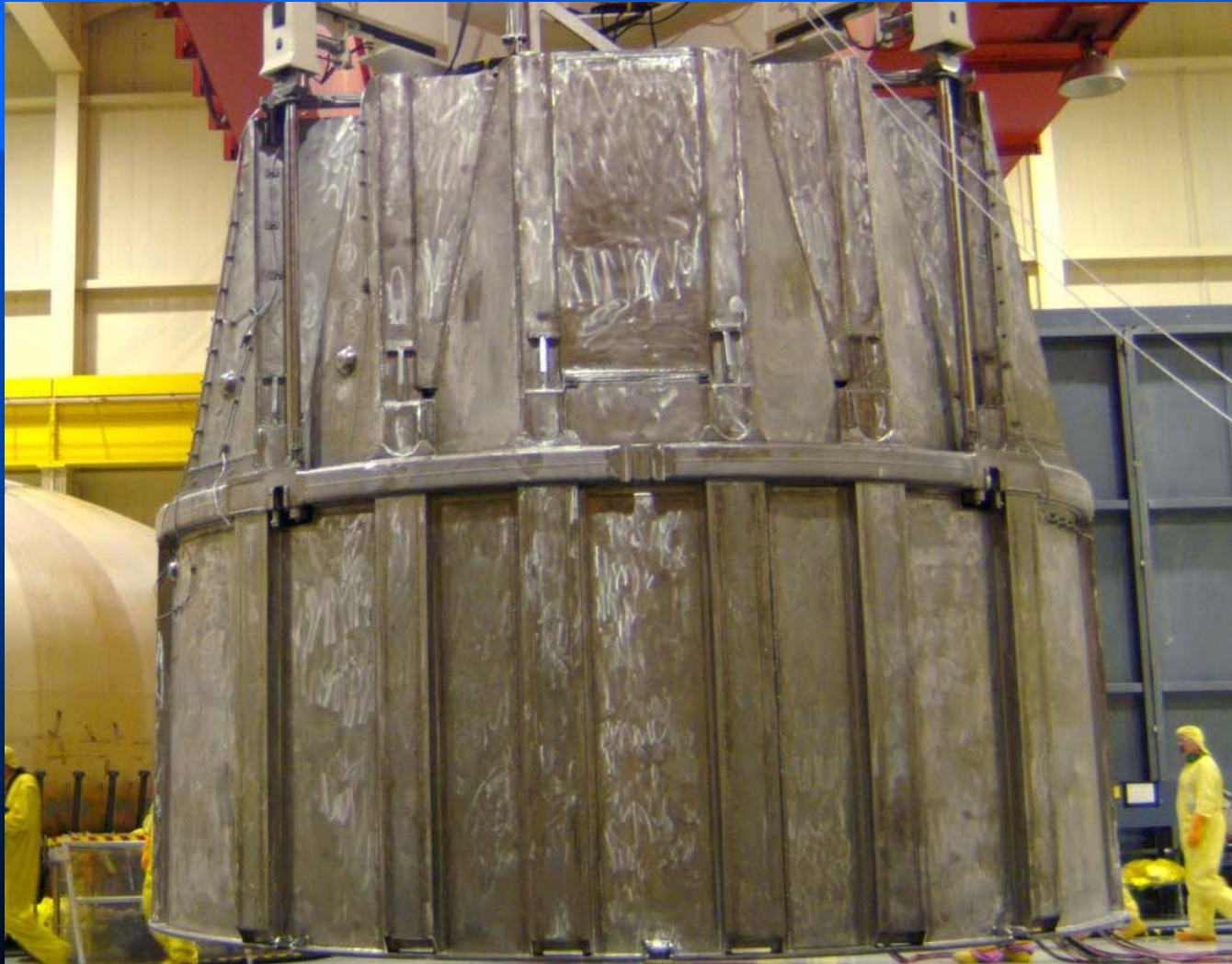
Steam Dryer

Unit 2 Dryer Installation

- New GE design, most technically analyzed nuclear plant dryer in world
- First new steam dryer to be installed in the United States
- Fully instrumented to provide load and vibration data during power ascension testing



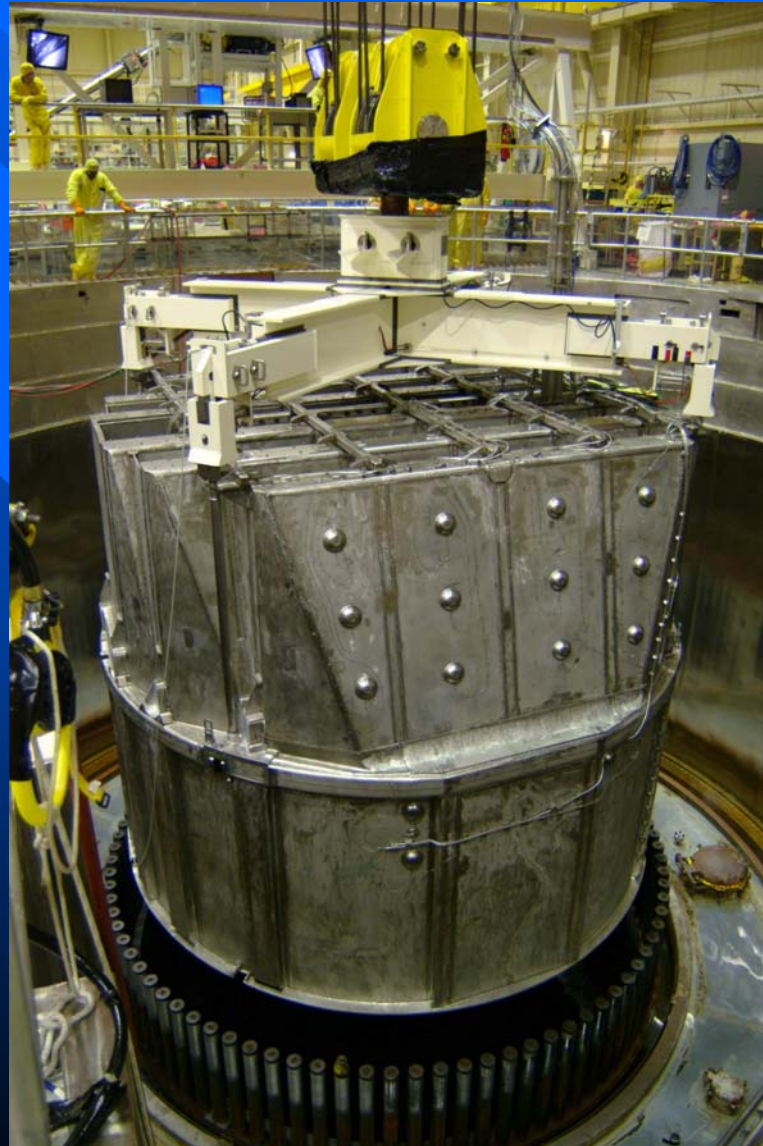
The New Unit 2 Steam Dryer



Steam Dryer Instrumentation



Installing Steam Dryer



Upgrade Overview

Unit 1 Upgrade Overview

- Replaced the main power transformer
- Switchyard upgrades
- Installed digital recirculation control system

New Transformer



Switchyard GCB's



Digital Recirc Operator Display

