

## WHITE PAPER JIMMY CARTER A lesson in courage and hardware and recovery

In 1952, before politics, Jimmy Carter was a U.S. Navy lieutenant in Rickover's nuclear program. After the NRX reactor accident at Chalk River, Ontario (Dec. 12, 1952), he served with a U.S. team supporting the cleanup in extremely high radiation conditions, using carefully rehearsed procedures and very short, timed work entries. Carter later recalled that his crew's exposure limits were far higher than would ever be allowed today and that he had measurable radioactivity in his urine for months afterward—an early, hands-on lesson in nuclear risk, discipline, and international cooperation. American Nuclear Society+2ncsp.llnl.gov+2

### Why this story matters to Tranquility (directly)

This becomes your operating doctrine:

**Full-scale mockups for every critical maintenance job (your “tennis court replica” analogue).**

**Timed task entries (robotic or crew) with rehearsed motions.**

**Top-side plug-and-play LRUs so nobody ever “goes into” the reactor trench**