

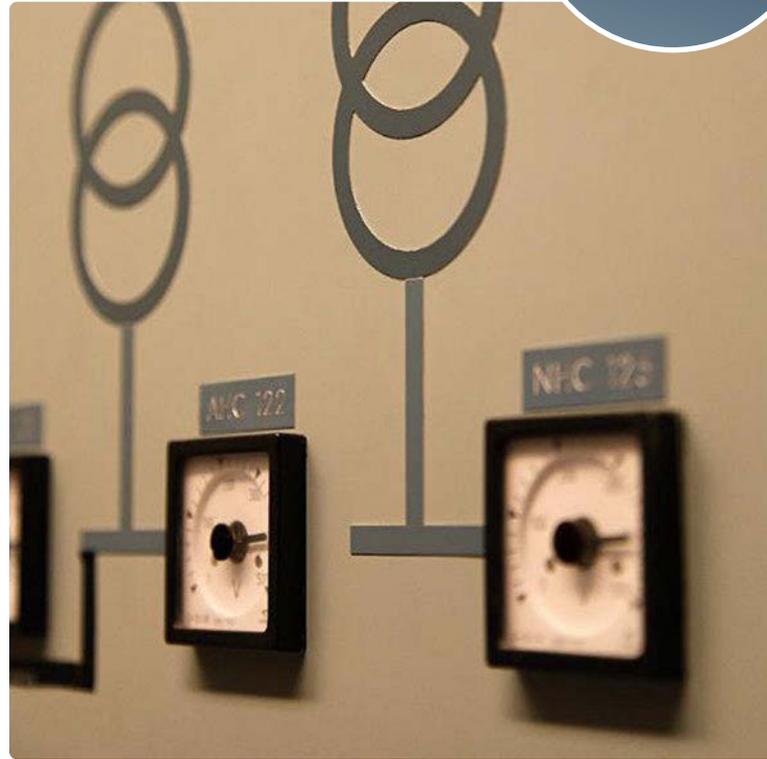


was undertaken to provide data on aerosol mass concentration and particle size distribution, to identify gaseous species and to obtain a mass balance for the system.

Marviken's reactor may have never been loaded with fuel, but converting the plant to burn oil ensured that the project still provided some support to the Swedish electrical grid. And perhaps more importantly, the reactor went on to serve the nation of Sweden and the world with functional testing of boiling water reactor safety systems. This information ensured BWRs around the world could be designed and operated safely.

Today, the site is being reenvisioned as the Marviken Smart Energy Cluster, with plans that include incorporating small modular reactors, along with considering thorium reactors that enable the reuse of used nuclear fuel. ☒

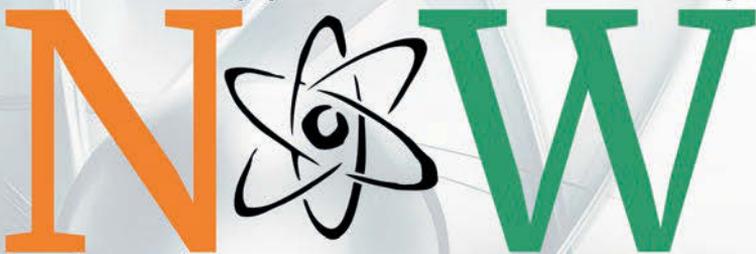
*Jeremy Hampshire is an ANS member whose avocation is writing about the history of nuclear science and technology. His experience includes time as a lead nuclear quality assurance auditor and a senior nuclear technical advisor.*



Gauges in the control room. (Photo: Jitka Zakova/Nuclear Power? Yes Please)

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