

## Keith J. Miller

Dominion Resources Services, Inc.  
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### EMPLOYMENT HISTORY

**DOMINION RESOURCES SERVICES, INC.**, Glen Allen, Virginia, 2011-Present  
**NUCLEAR ENGINEER III**

#### Licensing Engineer

Manage licensing activities necessary to obtain a Combined Operating License for North Anna Unit 3.

- Led the effort related to the environmental review of the Combined License Application. Coordinated with federal agencies, contractors, and various Dominion groups, including legal, environmental, scheduling, and the power stations.
- Interfaced with the Nuclear Regulatory Commission to answer requests for information related to the Combined License Application.
- Served as the Dominion representative in an audit conducted by the NRC in 2016 in which the NRC found the Dominion processes adequate.
- Led the Unit 3 Corrective Action Program transition to convert it from a standalone process to a streamlined process leveraging the fleet procedure and database.

#### Programs Engineer

Develop and implement the engineering programs required for North Anna Unit 3.

- Lead the ITAAC program development, an effort to complete and receive Nuclear Regulatory Commission endorsement for over 1600 individual inspections, tests, and analyses.
- Manage North Anna 3 procedure development. Interface with fleet and records personnel to ensure procedures are written, processed, and stored in accordance with fleet standards.
- Monitor implementation of the Programs Execution Plan, the project management document governing the activities, scope, schedule, and staffing for the Engineering Programs group.
- Review contract scope changes proposed by the plant vendor and advise management of potential effects.

#### Mechanical Engineer Resident

Benchmark the Vogtle Units 3 & 4 new nuclear construction project on a year-long temporary duty assignment to Southern Nuclear Operating Company (SNC) in Waynesboro, Georgia.

- Evaluated field changes and nonconformances reported by the vendor and constructor.

- Participated on a Root Cause Determination at V.C. Summer Units 2 & 3 as a utility peer.
- Produced dozens of reports on the Vogtle 3 & 4 processes to benefit continued development of North Anna 3.

### **Mechanical Engineer**

Advance the engineering design of North Anna Unit 3.

- Performed technical reviews for system design packages and interfaced with the vendors to incorporate improvements.
- Ensured Consortium deliverables complied with cost, scope, and technical requirements in the EPC contract and Procurement Specification.

**NORFOLK NAVAL SHIPYARD**, Portsmouth, Virginia, 2003-2011

### **Nuclear Shift Test Supervisor**

Coordinate with Ship's Force management to execute the reactor plant test program per the project schedule. Monitor compliance to design, maintenance, and operation rules.

- Developed and supervised the execution of the hot operations and critical operations test schedules.
- Supervised test engineers and support staff on several carrier maintenance projects.
- Trained approximately 500 Ship's Force Reactor Department and Shipyard personnel to perform key test program evolutions such as control rod testing and reactor plant startup.

### **Nuclear Shift Test Engineer**

Direct reactor plant testing on Nimitz class aircraft carriers. Establish plant conditions and set isolations to facilitate maintenance and testing. Plan testing strategies for proposed maintenance items.

- Directed reactor and steam plant testing on the 2006 USS Harry S. Truman, 2007 USS Theodore Roosevelt, 2008 USS Dwight D. Eisenhower, 2009 USS Carl Vinson, 2010 USS Ronald Reagan, and 2011 USS Dwight D. Eisenhower projects.
- Authored test procedures for several different nuclear power plants, including Nimitz class aircraft carriers and Ohio and Los Angeles class submarines.
- Supervised evolutions such as critical operations, control rod testing, steam plant transient testing, hydrostatic tests, and reactor plant startups and shutdowns.

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## **EDUCATION AND AWARDS**

**B.S., Chemical Engineering**, Michigan Technological University, Houghton, Michigan, 2001.  
Cum Laude

**Awarded US Patent #6881072**, "Membrane Probe with Anchored Elements".