

MELTON SAMUEL (SAM) GLENN, JR.

EXPERIENCE SUMMARY

Thirty-four years in technical and strategic management of nuclear operations and large projects including: design, project management, risk evaluation and mitigation, budgeting, construction, and startup/testing; broad knowledge of technical and contracting issues with nuclear component vendors.

Successful in diverse leadership roles: Manager of engineering and training organizations; senior technical advisor to the Department of Energy (DOE), Savannah River Site Manager; Site Representative for DOE Headquarters at a large contractor design office; Manager of a project management, engineering, and construction oversight organization for a multi-billion dollar nuclear fuel cycle facility.

Detailed knowledge of Department of Energy and Nuclear Regulatory Commission (NRC) regulatory/licensing régimes.

Significant experience interfacing and resolving issues with both NRC and Defense Nuclear Facility Safety Board (DNFSB) staffs.

Accomplished technical writer and editor. Conducted numerous assessments as leader and member of Operational Readiness Review teams.

DETAILED EXPERIENCE

Longenecker & Associates 2015-Present

Nuclear Waste Partnership (NWP), Waste Isolation Pilot Plant (WIPP) 2015

Served as L&A's safety SME during the development of the conceptual design report for WIPP's new underground ventilation system (UVS).

- Wrote the Conceptual Safety Deign Report for both UVS alternatives
- Developed the preliminary hazards analysis plan

National Nuclear Security Administration 2006-2014

Director, MOX Project Management Office, and Deputy Federal Project Director for the MOX Fuel Fabrication Facility, a \$5 billion facility to manufacture fuel for US commercial power reactors from surplus weapons plutonium.

- Direct daily oversight of construction, testing, design, procurement, and project management/contracting. Primary NNSA oversight and evaluator for MOX project risk evaluation and mitigation activities. Worked with MOX contractors to identify MOX program risks that should be transferred to NNSA.
- Division lead for Engineering, NRC Licensing, and Preparations for Testing/Operations.

National Nuclear Security Administration 2000-2006

- NNSA Headquarters Site Representative in Charlotte, NC for the MOX Fuel Fabrication Facility project and senior engineer for the NNSA nonproliferation missions at SRS.
- Approximately 50% of time spent at the MOX design offices in Charlotte, NC. Provided independent programmatic and technical oversight of contractor activities and reported directly to NNSA HQ on observations, evaluations of performance, and any recommendations.
- Nuclear Safety - Prepared review plans, evaluated design risks vs requirements and managed the review and approval of the Preliminary Safety Analysis Reports for the Pit Disassembly and Conversion Facility (PDCF) and Waste Solidification Building at SRS.

Department of Energy, Savannah River Site

1998-2000

- Acting Director of a Division of 14 engineers overseeing the operation of F and H Canyons and SRS nuclear material storage areas.
- Provided engineering and safety analysis support for all plutonium disposition projects at SRS.
- Responsible for resolution of design and process issues for the new facilities.
- Team lead for preparing portions of DOE's Implementation Plan for DNFSB recommendation 2000-2, "Configuration Management, Vital Safety Systems."
- Performed field reviews assessing the risks and conduct of nuclear facility operations.
- DOE Facility Representative in FB-Line (plutonium processing facility)

**Technical Assistant to the Manager, DOE-Savannah River Operations Office
Aiken, SC**

1995-1998

- Independently evaluated Savannah River Site operations, technical and administrative issues and recommend solutions to the Site Manager.
- Site Manager's troubleshooter assigned to resolve high risk issues.
- Periodically observed facility operations and evaluated the status of projects to provide the Manager with an independent assessment of operations, status, and conditions.
- Manager's liaison with Defense Nuclear Safety Board site representatives.
- Manager's personal representative on standing technical committees and with local economic development organizations.
- Member of Operational Readiness Review teams for startup of DOE's high level waste vitrification facility at West Valley, NY and the Waste Isolation Pilot Plant in New Mexico

Department of Energy (DOE), Savannah River Site

1992-1995

DOE Program Manager for the Defense Waste Processing Facility, a \$2.4 billion facility to vitrify liquid high level radioactive waste.

- Provided oversight of the contractor change control board for the project and chaired the DOE-SR change control board.
- Managed the preparation and issue of a supplemental environmental impact statement for the Defense Waste Processing Facility including representing DOE at all public meetings.
- Prepared the overall review plan and led a team that validated the Defense Waste Processing Facility's readiness and risks to begin testing and confirm acceptability of the plant's waste form.

**US Navy, Intermediate Maintenance Activity Nuclear Planning Yard
Charleston, S.C.**

1985-1992

Managed/supervised operation of the US Navy's schools for Radiological Controls Officers and Radiological Controls Monitors.

- Supervised 32 Health Physicist and technicians who trained Navy enlisted personnel and officers in radiological controls prior to their being assigned to Navy maintenance commands.
- Responsible for all aspects of classes including administration, budget, instructor training, lesson plan preparation, and training facilities construction/maintenance.

Supervised a branch of 10 engineers and 2 Health Physicists who prepared detailed work procedures and guidance for instituting radiological controls at Navy maintenance commands.

- Managed the preparation, approval, and issue of work practices in the Navy's Radiological Work Practices Handbook.
- Wrote instructions to be used throughout the Naval Nuclear Propulsion Program for performing mockup training prior to major repair and maintenance jobs.

**US Navy, Charleston Naval Shipyard
Charleston, S.C.**

1980-1985

Radiological controls project engineer for submarine reactor plant overhauls and repairs performed off-site at submarine bases and forward deployed submarine tenders.

- Evaluated and concurred with work packages and procedure to ensure radiological risks were minimized and met requirements.
- Performed on-board evaluations and assessments of complex nuclear maintenance activities for radiological safety.

EDUCATION**Clemson University, Clemson, SC**

Bachelor of Science in Mechanical Engineering, 1980

PROFESSIONAL CERTIFICATION AND AFFILIATIONS**DOE/NNSA:**

DOE Senior Technical Safety Manager

DOE Facility Representative (FB-Line)

CLEARANCE

DOE "Q" (active)