RICHARD F. SENA

EXPERIENCE SUMMARY

Retired from the Senior Executive Service in January 2014 with over 36 years of Federal service in national security and environmental programs in the Department of Energy (DOE) National Nuclear Security Administration (NNSA).

Directed numerous studies of major benefit to DOE/NNSA including the Plutonium Storage Study, covering excess plutonium metal and oxide storage at LANL, LLNL, Hanford, Rocky Flats and Savannah River. Decisions resulting from the study included the acceleration of the de-inventorying of Pu metals and oxides from each site and the consolidation of material storage at the Savannah River Site accelerating: the closure of Rocky Flats; removal of nuclear material from the Hanford Plutonium Finishing Plant; the movement of nuclear material from LLNL and the freeing up of nuclear material storage space at LANL. The study also resulted in the decision to terminate the construction of a Pu Storage and stabilization facility at Savannah River, saving $1B in construction costs. These decisions resulted in significant savings in facilities and security costs and a reduction of the Department's nuclear footprint.

Led the Pantex Pit Storage and Repackaging Study. Defense Programs initiated the study in response to a DNFSB concern regarding degradation of pit cladding due to moisture in the ALR-8 storage containers. As a result of the study a decision was made by NA-10 to utilize an alternate storage container developed as part of the study, saving $100M and accelerating the completion of pit repackaging by 20 years over the original plan, closing the DNFSB recommendation.

Possess significant experience in major government contract competitions through assignments as co-chair on two Source Evaluation Boards for LANL and LLNL with a combined annual budget of $4.8B and as a technical voting member on three additional Source Evaluation Boards for Major System Acquisition nuclear construction and nuclear remediation contracts.

Possess significant experience in leading Major Systems Acquisition Projects for nuclear construction and remediation projects including the FAST Project for storage and reprocessing of spent Navy fuel ($210M 1982 dollars) at the former Idaho National Engineering Laboratory, Idaho Chemical Reprocessing Plant, the Uranium Mill Tailings Remedial Action Project ($1.9B 1994 dollars) that consisted of 22 uranium mill-sites across 11 states and the former Albuquerque Operations Office Environmental Restoration Project for assessment and remediation of contaminated sites across 2 national laboratories and 5 production plants ($2B).

DETAILED EXPERIENCE

Senior Project Manager, Longenecker & Associates - Current

Deputy Manager, NNSA Sandia Field Office, SES -7/11 – 1/14

Served as Deputy Manager, Sandia Field Office (SFO) with responsibility for administration of the Sandia National Laboratories management and operating contract. Interfaced with NA-10 organizations including NA-11, NA-12, NA-14, NA-16 in a liaison role to assure that Sandia was delivering on program direction and to support communications between NNSA Program Offices and Sandia.

Deputy Director, NNSA Service Center, SES - 9/10 – 7/11
Served as Deputy Director, NNSA Service Center, providing leadership and management of 480 technical and administrative staff, including 6 Senior Executive Service managers. Duties included management of all financial, business, personnel security, physical security, legal and technical support functions assigned to the Service Center in support of the Nuclear Security Enterprise.

Deputy Associate Director, Office of Technical Services - 5/09 – 9/10
Provided leadership to the office with assigned responsibility for supporting the Nuclear Security Enterprise in the areas of Nuclear Safety, Occupational Safety and Health, package certification for the shipment of weapon components and nuclear materials, and project management and support to the nuclear non-proliferation program.

Manager, National Security Department - 9/05 – 5/09
Supported the Nuclear Security Enterprise by performing the safety analyses of packages for nuclear weapon component and assembly shipments by NNSA's Office of Secure Transportation and performance of packaging and transportation assessments at NNSA sites and nuclear non-proliferation.

Co-Chair, LLNL Source Evaluation Board - 5/06 – 4/07
Served as Co-Chair of the LLNL Source Evaluation Board, providing expertise gained from the LANL contract competition to a team of experts in the areas of procurement law, contracts, nuclear safety, nuclear facility operations, ES&H and personnel resource management for the development of the contract for the management and operation of the Lawrence Livermore National Laboratory.

Co-chair, LANL Source Evaluation Board - 4/04 – 2/06
Served as co-chair of the LANL Source Evaluation Board, providing expertise from leading the development of the NNSA model contract for Sandia National Laboratories to a team of experts in the areas of procurement law, M&O contracts, nuclear safety, nuclear facility operations, ES&H and personnel resource management for the development of the contract for the management and operation of the Los Alamos National Laboratory.

Manager, Environmental Programs Department - 7/03 – 8/05
As Department Manager, supported the NNSA Nuclear Security Enterprise in decontamination / decommissioning of nuclear facilities, environmental remediation, pollution prevention, waste minimization, waste disposition, risk analysis, value engineering, cost estimating, baseline development/review and regulatory agency interaction.

Team Lead, Sandia Model Contract Development Team/Team Member Sandia Contract re-negotiation team, SES - 11/01 – 7/03
Selected by the NNSA Administrator to serve as the Team Leader with the assignment to develop a Model Contract for Sandia to fulfill a commitment made by DOE/NNSA to Congress in its 2002 Report to Congress, that it would develop a new contract to improve the contractor/government relationship and performance of Sandia National Laboratories. The new contracting model developed by the team was piloted at Sandia National Laboratories (SNL) and based upon the knowledge gained in leading this effort, was asked to serve as a member of the Sandia Contract re-negotiation team. The model contract was also implemented at LANL, LLNL and the Nevada Test Site (NTS). Many of those contract features were also included the RFP for the Pantex and Y-12 plants.

Director, Nuclear Materials Stewardship, SES - 11/96 – 11/01
Led the Nuclear Material Stewardship Project Office in providing support to the DOE complex for storage, stabilization, consolidation, and disposition of excess plutonium and other nuclear materials and management of all excess pits at Pantex. Led the developed the plutonium stabilization standard for excess plutonium metals and oxides to address DNFSB Recommendation 94-1. Led efforts for excess pit repackaging at Pantex to address DNFSB Recommendation 1999-1 including the development and safety analysis of a more cost effective storage container for pit storage, saving $110M and reducing the repackaging schedule by 20 years. Led the DOE complex plutonium storage study that established a plan for the management of excess plutonium across the DOE, eliminating the need to construct a $1B plutonium storage facility and served as the planning basis for movement of all Pu metals and oxides from LLNL, Hanford, LANL and Rocky Flats to an existing Savannah River facility.

Acting Area Manager, Albuquerque Operations Office, Dayton Area Office- 8/92 – 1/93
Served as the acting Area Manager of the Dayton Area Office at the Mound Plant. Responsibilities included oversight of: weapons research and development; production of weapons components; tritium reservoir operations; safe nuclear and non-nuclear operations; ES&H; D&D and remediation of nuclear contamination. Successfully coordinated the simultaneous reviews of plant operations by the Secretary's Tiger Team Progress Review, the Defense Programs Technical Safety Review and the Albuquerque Operations ES&H review. Also assured complete and accurate site information to the Non-Nuclear Reconfiguration Study upon which the Department reduced its nuclear weapon production plant footprint.

Director, Environmental Restoration Division/Project Manager UMTRA - 9/87 – 11/96
Served as Director of the Environmental Restoration Division with responsibility for characterization and remediation of nuclear and non-nuclear contaminated sites at LANL, SNL and five weapon production sites with an estimated cost of $2.1B. Also served as Project Manager for the Uranium Mill Tailings Remedial Action Project ($1.9B).

Project Engineer, Uranium Mill Tailings Remedial Action Project, Albuquerque Operations Office - 1/85 – 9/87
Served as Project Engineer on the Uranium Mill Tailings Remedial Action Project (UMTRA) at the Albuquerque Operations Office with responsibility for assessment and remediation of seven of 22 uranium mill tailings sites and 5000 vicinity properties contaminated with uranium mill tailings.

Project Manager/Resident Construction Engineer, Fluorinel Dissolution and Metal Clad Fuel Storage Facility, Idaho Operations Office - 6/80 – 1/85
Served as the DOE Resident Construction Engineer at the Idaho National Engineering Laboratory Fluorinel Dissolution and Metal Clad Fuel Storage Facility. This facility was a Major Systems Acquisition Project ($210M in1982 dollars) for the construction of a new nuclear facility for the storage of spent Navy nuclear reactor fuel and first cycle dissolution of nuclear reactor fuel to recover enriched U-235. The project was completed 6 months ahead of schedule and within budget, a major accomplishment for a highly complex nuclear facility. Also served as Resident Construction Engineer for the Remote Analytical Laboratory, a $54M facility for the analysis of high-level radioactive process solutions.

Construction Engineer/Energy Management Engineer, Idaho Operations Office - 1/78 – 6/80
Served as a construction engineer and an energy management engineer at the Idaho Operations Office. Responsibilities included security facility upgrades for the Idaho Chemical Processing Plant and energy studies for the Idaho National Engineering Laboratory to reduce energy consumption and conversion to alternate energy fuels.

EDUCATION

BS Degree in Civil Engineering, New Mexico State University - 1977

CERTIFICATIONS

- Graduate of OPM approved Senior Executive Service Candidate Development Program
- NNSA Senior Technical Safety Manager for 16 years

WORK EXPERIENCE BY FUNCTIONAL AREA

Nuclear Material Management

- FY00 DOE Complex Excess Plutonium Study
- Pantex Plant Pit Repackaging
- Pantex Plant excess pit management
- Pu Stabilization R&D
- Support to the Pu Disposition Program

Nuclear Construction Project Management

- Navy Spent Fuel Reprocessing Facility - $210M (1982 dollars) Major Systems Acquisition Project/ DOE Idaho
- Remote Analytical Laboratory - $54M (1983 dollars)/ DOE Idaho

Environmental Cleanup Project Management

- Uranium Mill Tailings Remedial Action Project - $1.9B
- Environmental Restoration Project (LANL, SNL, Pantex Plant, Kansas City Plant, Mound Plant, Rocky Flats Plant, Pinellas Plant) - $2.1B

Competition Management

- Co-Chair, Sandia National Laboratories Acquisition Strategy Team
- Co-Chair, Lawrence Livermore National Laboratory Source Evaluation Board
- Co-Chair, Los Alamos National Laboratory Source Evaluation Board
- Team member, Sandia Contract Extension Negotiation Team
- Team Lead, NNSA Model Contract Development Team
- Technical Voting Member, Grand Junction Remedial Action Contract, UMTRA Project
- Technical Voting Member, Facility Processing Restoration Construction Management Contract, DOE Idaho
- SEB Secretary for A/E Services, ICPP Fluidized Coal Fired Boiler, DOE Idaho

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