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DL-100796-03



October 7, 1996

US Nuclear Regulatory Commission, Region II
Nuclear Materials Safety Section
101 Marietta Safety, Suite 2900
Atlanta, GA 30323

Attention: Mr Jay L. Henson

Subject: Replacement of the Radiation Safety Officer (RSO) for Materials License
45-11589-02

Attachment: (1) L. S. Moran's Experience, Education and Training

Dear Sir:

Newport News Industrial (NNI) currently possesses no radioactive material under Materials License 45-11589-02. The Radiation Safety Officer (RSO) for the material license, Mr. T. Bond, is no longer employed by NNI. Mr. Bond should be removed from the materials license as the RSO and Mr. L. S. Moran approved as RSO. Attachment (1) is a summary of Mr. Moran's experience, education and training.

Mr. Moran has over 30 years of experience in the nuclear industry. He understands and is experienced in the practice of radiation and contamination controls, ALARA programs, the requirements of the materials license, 10 CFR 20, and other applicable rules and regulations.

Sincerely,

A handwritten signature in black ink, appearing to read "J. A. Palmer".

J. A. Palmer
President

Copies:

1 - C. T. Hill (NNS)
1 - C. L. Trent
1 - G. M. Smith
1 - File

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L. S. Moran's Experience, Education and Training

EXPERIENCE

Thirty (30) years experience in reactor refueling and overhaul specializing in reactor fuel handling, system operation, spent fuel storage, handling and shipping, systems and facility decontamination and inactivation. The skills, knowledge and experience he has gained at Newport News Shipbuilding (NNS) and its subsidiaries, Newport News Reactor Services (NNRS) and Newport News Industrial (NNI), in managing the various aspects of major projects involving radiation and radioactive contamination make him an excellent choice for NNI's RSO.

Current Assignment

Director (NNI)

Responsible day-to-day management of the company including achievement of performance goals and objectives, direction of product centers, operational support, and providing for the health and safety of employees and subcontractors.

Previous Assignment

Program Director (NNS)

Responsible for managing the development of the aircraft carrier, USS Nimitz, reactor refueling plans. Duties included process development, planning, scheduling, preparation of cost estimates, design and construction of equipment and facilities including the Consolidated Refueling Facility.

Coordinated the development of the inactivation plan, including the removal of spent fuel, for the nuclear powered cruiser, USS Long Beach. Managed the inactivation of the USS Long Beach, including planning, scheduling, process improvement, lessons learned, cost estimates and negotiation package.

Refueling Manager (NNS)

Managed necessary activities to plan for and refuel the eight nuclear reactors of the aircraft carrier, USS Enterprise. All reactors were completely refueled in parallel. Responsibilities included management of planning and scheduling activities, budgets, cost controls, and radiological health and safety operations at the planning and production level.

Construction Superintendent (NNS)

Responsible for the planning, direction and performance of reactor construction (6 ships) to support the 688 Class nuclear submarine construction program. Developed work control and

construction techniques including those for initial fuel loading, primary and secondary shield construction and testing, and power ascension testing.

Construction Manager (NNRS)

Managed the installation of the high pressure safety injection system for a prototype nuclear reactor for the submarine program. Responsibilities included development of a design, manufacture and installation strategy that supported the Navy's schedule and funding constraints; and radiological health and safety operations at the planning and production level.

Refueling/Overhaul Superintendent (NNS)

Managed a team to plan and schedule the reconfiguration of a surface ship refueling support barge, (Spent Fuel Storage Pool). Program required resolution of significant radiological safety and design issues.

Responsible for coordinating overhaul of nuclear submarines through power range testing. Responsibilities included radioactivity contaminated equipment and valve repair, system completion and certification, and reactor compartment closure.

Production Manager (NNRS)

Coordinated production effort for a submarine prototype refueling and overhaul at the Naval Reactors Facility on the Idaho National Engineering Laboratory. Areas of responsibility included facilities, warehousing, tools and equipment, transportation and production efforts involving radioactive as well as non-radioactive material.

Construction Superintendent (NNS)

Responsible for coordinating construction of 688 Class nuclear submarines with total responsibility for budgeting, scheduling staffing and materials.

Production Manger (NNRS)

Coordinated all the production efforts for the aircraft carrier prototype refueling and overhaul. Areas of responsibility included production, facilities, warehousing, tool rooms, transportation, management of personnel including provisions for radiological health and safety operations at the production level.

Construction Supervisor (NNS)

Coordinated the efforts of construction trade supervisors in the areas of Nuclear Refueling and Overhaul. Position required close coordination between design, radiological control, and Navy crew personnel. Served as lead construction supervisor during replacement of primary coolant relief valves on a nuclear submarine.

Machinery Installation Supervisor (outside machinist) (NNS)

Responsible for supervising construction trade workers while performing maintenance on radioactively contaminated components. Worked closely with design and radiological health

and safety personnel while developing submarine reactor plant secondary shielding modifications.

Lead Spent Fuel Handler (NNS)

Selected as the first graduate of the NNS Apprentice School to participate in the Submarine Refueling Program. Served as lead spent and replacement fuel handler for the second refueling of the nuclear powered aircraft carrier Enterprise.

EDUCATION and Training

- NNS Apprentice School Graduate (equivalent to 2 years of college - specialized in Machinery Installation)
- Formal Radiation Worker Training, refreshers, updates, and revisions (Radiation and Contamination Control) 1963 to present. (See attached "Radiation Worker Course")
- Tools for Quality Teamwork
- Systematic Managerial Analysis

Radiation Worker Course

Qualified personnel must initially and biennially pass a compressive written examination and satisfactorily demonstrate practical abilities.

I. Radiation Safety

- Potential sources of radiation
- Medical/Health Risk
- Federal Limits/local control levels
- Prenatal Exposure Limits
- TLD badges and Pocket Chamber Dosimeters (PCD)
- Actions to be taken for off-scale/lost/damaged dosimeters and/or lost TLD badge
- Personnel exposures control
- Minimizing Exposure (ALARA)
- Controlling time in Radiation and High Radiation Areas
- Signs and barrier requirements
- Understanding and interpreting Radiation surveys

II. Radioactive Contamination Control

- Definition of contamination
- Potential sources of contamination
- Contamination limits and control levels
- Control and prevention of contamination
- Signs and tags
- Anti - contamination clothing and Plastic Wet Suits
- Respiratory Protection Equipment
- Contamination containment
 - Drapes
 - Plastic wrapping methods
 - Glove Bags
 - Work Tents
- Purpose and operations of High Efficiency Particulate Air (HEPA) filters
- Contamination Control Practices
- Packaging Contaminated Material
- Detection of Contamination
- Air Particle Detectors and Portable Air Samplers
- Personnel Monitoring
- Decontamination
- Understanding and interpreting Contamination Surveys
- Accountability of radioactive material

III. Radioactive Waste Disposal

- Reducing waste
- Waste Collection and Disposal
- Segregation of waste

IV. Radiation Worker Individual Responsibilities

V. NNS Radiation Safety Program