ROBERT C. LEE

EDUCATION

Bachelor of Science in Mechanical Engineering
City College of New York, 1973

Post graduate courses in Mechanical Engineering
Rensselaer Polytechnic Institute, Hartford Graduate Center, 1974-5

LICENSE

New York State Professional Engineer, License #61749

EXPERIENCE

November 2008 to Current

Senior Mechanical Engineer, Code Programs
Entergy Nuclear Operations
Indian Point 2 and 3, Buchanan, NY 10511

Developed and implemented site Buried Piping and Tank Inspection and Monitoring Program. Assumed ownership of the following ASME Code Programs: Inservice Testing, Primary Containment Leakage Rate Testing and Pressure Testing.

November 2000 to November 2008

Senior Engineer, Mechanical Design
Entergy Nuclear Northeast
Indian Point 2 & 3, Buchanan, NY

October 1984 to November 2000

Senior Engineer, Mechanical Design
New York Power Authority
123 Main Street, White Plains, NY 10601 (1984 – 1995)
Indian Point 3 Nuclear Power Plant, Buchanan, NY 10511 (1995 - 2000)

Design Engineer providing onsite engineering support on design basis issues, NRC inspections, NRC bulletins and generic letters, short and intermediate term engineering projects. Prepared plant modification packages for the installation of replacement hydrogen coolers, replacement pump mechanical seals, hydrogen dryers, etc. Responsible Engineer for Service Water and Weld Channel and Containment Penetration Pressurization and Isolation Valve Seal Water Systems Design Basis Documents, cognizant of all updates of the documents. (1995 – 2000)

Lead Design Engineer responsible for the preparation of multi-discipline design modification packages for original plant equipment replacements and/or new installations. Specific tasks included modification proposal and scope definition, equipment technical specification, procurement support through equipment delivery, and field engineering support during installation and testing. Major equipment installed included reactor water clean-up pumps, emergency service water pumps, valves, intake travelling water screens and strainers. (1984 – 1995)

September 1981
to October 1984

Mechanical Engineer, Mechanical Design
New York Power Authority
123 Main Street, White Plains, NY 10601

Lead Design Engineer for power generating station circulating water system upgrade modification, successfully applying adjustable speed (1250 HP) motor drives. Developed technical specifications for replacement circulating water pumps, test program for hydraulic model test laboratory and mechanical installation specifications. Provided on-site engineering support for equipment installation and testing.

Lead design engineer for nuclear power generating station cooling water angled intake screen system conceptual design study. Provided engineering oversight of A/E's development of a conceptual design of an angled screen system for cooling water intake for cost estimating and presentation to environmental regulatory agencies.

January 1979
to March 1981

Mechanical Engineer
Bendix Corporation, Electric Power Division
118 State Highway 35, Eatontown, NJ 07724

Responsible for the mechanical design of compact rotating electric power generating and static controls systems for application in commercial and military aircraft and land vehicles. Work included: structural design, thermal analysis, failure analysis, material and component specification, equipment qualification, test program development, test fixture design and proposal writing.

December 1975
to January 1979

Nuclear Steam Supply Engineer, Reactor Design
Combustion Engineering, Power Systems Division
1000 Prospect Hill Road, Windsor, CT 06095

Performed dynamic analysis of nuclear reactor internals and core components in accordance with Nuclear Regulatory Commission requirements. Efforts included finite element buckling analyses of core support barrel, computer model simulation of a reactor internals for the determination of the dynamic response to loads imposed by postulated coolant pipe breaks and seismic excitations; computation of flange stiffnesses, pressure and force time histories.

July 1973
to August 1975

Analytical Engineer, Structural Design
Pratt & Whitney Aircraft
400 Main Street, East Hartford, CT 06108

Performed vibration analyses on jet engine rotor frames and components; conducted critical speed and forced response studies of industrial gas turbines and jet engines. Co-ordinated a static structure load test program to evaluate the flight worthiness of the JT8D refan (Quiet Engine).