20669-7 (3/22/2006)

Resume

AREVA

DONALD R. LeFRANCOIS

SUMMARY	Mr. LeFrancois has over 30 years of engineering and technical and project management experience in the nuclear industry. He has directed engineering work and performed engineering reviews and plant upgrades for multiple U.S. nuclear utilities. Currently, Mr. LeFrancois is a project manager/engineer for the Areva Reactor and Services Business Unit.
EDUCATION/ TRAINING	MS, Civil Engineering, Worcester Polytechnic Institute, 1981 BS, Civil Engineering, University of Massachusetts at Lowell, 1977 Seismic Qualification Utilities Group (SQUG) Walkdown Screening and Seismic Evaluation Training Course, including IPEEE Add-On Module Maintenance Rule Structures Inspection and Walkdown Training Occupational Safety and Health Administration (OSHA) Safety Training One-Week Management Training Program, Bentley College AREVA Project Management Boot Camp
PROFESSIONAL AFFILIATIONS/ CERTIFICATIONS	American Society of Civil Engineers (ASCE), Member Chi Epsilon National Civil Engineering Honor Society, Member Engineer-In-Training (EIT), Massachusetts
EXPERIENCE	
7/2002 – Present	***Project Engineer/Project Manager*** **AREVA NP** Principal preparer of ISFSI siting studies for the VC Summer and Perry Nuclear Plants. Project Engineer for Catawaba ISFSI design and construction responsible for directing civil, structural, geotechnical, and electrical engineering. Project engineer for Civil/Structural scope for removal of Turkey Point 3 and 4 reactor heads, St. Lucie Unit 1 pressurizer removal. Provided assistance and support to Vermont Yankee for design and implementation of design changes supporting the transfer of spent fuel to dry storage. Provided support to British Energy for development of dry fuel storage conceptual design and life cycle costs.

DONALD R. LeFRANCOIS

2/2000 – 6/2002	***Site Engineering Manager for NAC International Fuel Transfer Operations, Yankee Rowe*** **Framatome-ANP** Direct site engineering activities as required supporting NAC International in the transfer of spent nuclear fuel from wet to dry storage. Includes preparation, review, and approval of site modifications to support fuel transfer, management of site engineering activities, and coordination of site and home office engineering.
6/1399-12/2000	***Technical Service Manager, Engineering Services*** **Duke Engineering & Services** Provide engineering and project management for projects including Level 2 decommissioning and demolition schedules for the Oyster Creek and Tsuruga 1 (Japan) nuclear plants, decommissioning studies for the Humboldt Bay and Tokai 1 nuclear plants. Also, acted in oversight position for Connecticut Yankee overseeing large component removals. Provided engineering support for the replacement of steam generators at the Indian Point nuclear station.
12/1997-5/1999 **02/1996-11/1997**	***Lead Mechanical Engineer, Decommissioning Engineering and Services*** **Duke Engineering & Services** **Yankee Atomic Electric Company** DirectED the civil engineering, structural engineering and engineering mechanics efforts for the decommissioning of the Yankee Rowe and Connecticut Yankee nuclear plants. Also, provides technical advice and direction for the tasks under supervision. Major tasks include removing and transporting the 330-ton Yankee Rowe reactor vessel package, upgrading the Yankee Rowe yard area crane to a NUREG-0612 single failure-proof crane capable of handling spent nuclear fuel, segmenting and removing the Yankee Rowe neutron shield tank, evaluating alternatives for removing the Connecticut Yankee steam generators and reactor vessel, structurally evaluating Connecticut Yankee's yard crane and fuel building; and removing and decontaminating major structures, systems and components for Yankee Rowe. Also, directed and participated in the baseline Maintenance Rule structure inspections for Millstone Units 1, 2 and 3.

DONALD R. LeFRANCOIS

04/1992-01/1996

Senior Mechanical Engineer, Northeast Utilities Project
Yankee Atomic Electric Company

Performed structural engineering and engineering mechanics tasks for Millstone Unit 1, Connecticut Yankee and Yankee Rowe. At Yankee Rowe, served as a Project Engineer responsible for developing the Safety Analysis Report (SAR) for reactor vessel transport. This detailed SAR document, prepared in accordance with 10CFR71 and submitted to the Nuclear Regulatory Commission (NRC), provides the methods to be used and analyses to be performed for the transport of a radioactive package. Also, performed finite element analyses of the reactor vessel package, and designed package transport tiedowns in accordance with 10CFR71 and the SAR.

At Millstone Unit 1, served as the lead for evaluating raceways and cable trays for seismic loadings using SQUG and Systematic Evaluation Program (SEP) criteria. Performed piping analyses for static and dynamic loadings, and evaluated the reactor pressure vessel (RPV) recirculation piping nozzles for new weld overlays.

Performed the analysis of, and designed hangers for the electric auxiliary boiler feed (EABF) piping at Connecticut Yankee. Analyzed the foundation and anchorages for the new EABF pump. Developed civil and structural specifications for the construction of a reinforced concrete pumphouse. Acted as Project Engineer, including field follow, for the installation of structural steel modifications to the yard pipe support structure.

As part of a Yankee team, performed peer review of New York Power Authority's (NYPA's) Indian Point Unit 3 plant SQUG program.

09/1983-03/1992

Mechanical Engineer, Yankee Rowe Project
Yankee Atomic Electric Company

Designed and evaluated Yankee Rowe structures, systems and major equipment for safety, seismic and performance upgrades. Served as a member of the engineering team working to resolve Systematic Evaluation Program (SEP) open items. This team met with the NRC to develop analysis and design criteria for application to structures, systems and major equipment for seismic, wind and tornado loadings. Also, served as a Project Engineer for implementing major seismic retrofits for safety-related pipe supports, masonry block walls and the turbine building. Authored and performed confirmatory walkdowns for, and provided technical reviews of technical support documents prepared for plant license extension.

DONALD R. LeFRANCOIS

11/1981-08/1983	***Engineer, Plant Engineering Department*** **Yankee Atomic Electric Company** Provided structural and mechanical engineering support for the Yankee Rowe, Vermont Yankee, Maine Yankee and Seabrook nuclear power plants. Performed evaluations and design modifications for plant structures and components, including field engineering during modification implementations. Evaluated the Vermont Yankee reinforced concrete spent fuel pool for increased spent fuel storage. Also, evaluated and prepared a technical report for reducing testing on Maine Yankee containment liner weld test channels.
06/1980-10/1981	***Engineer*** **Teledyne Engineering Services** Provided engineering in support of the General Electric Mark I torus project, which included developing new computer codes for generating loads on a torus caused by transient events, and for pre- and post-processing of finite element analysis programs. Also, extensively modified existing piping evaluation codes to support client requirements.