



STACY T. THOMSON, P.E.

SUMMARY:

For the past 11 years, Ms. Thomson has been involved in the renewal of plant operating licenses for Arkansas Nuclear One, Davis Besse, Beaver Valley and Columbia, and in the preparation of license applications for the National Enrichment Facility and the Eagle Rock Enrichment Facility, in addition to a proposed new nuclear power plant at Calvert Cliffs. Overall, Ms. Thomson has more than 17 years of engineering experience in the design and analysis of civil and structural systems for both nuclear and fossil fueled power plants. Her experience includes the design of concrete and steel framing for major buildings, mechanical component supports and analysis of steel and concrete components for corresponding attachment loads. In addition, she has 10 years of experience in engineering and environmental assessments of commercial and industrial properties.

EDUCATION:

BS, Civil Engineering, University of Illinois, 1982

CERTIFICATIONS/PROFESSIONAL REGISTRATIONS:

Registered Professional Engineer: Illinois, Michigan and Wisconsin

EXPERIENCE:

AREVA NP Inc.	
Advisory Engineer	05/08 – Present
Principal Engineer	03/98 – 05/08

Licensing Activities – Licensing activities have included performing site assessments, preparing portions of environmental reports, safety analysis reports and integrated safety analysis summaries for uranium enrichment facilities, authoring various environmental report sections for a combined operating license application (COLA) for a new reactor and for the license renewal of an existing plant, and serving as an environmental report team leader. In addition, prepared the aging management reviews for various structures within the scope of license renewal. The reviews included the determination of materials and environments for in-scope structural components to identify aging effects requiring management, and included the identification of plant-specific time-limited aging analyses. Evaluated existing plant programs and commitments to determine program adequacy for managing aging effects during the period of extended operation. Assisted in developing the license renewal

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project methodology and integrated plant assessment, and drafted the civil/structural sections of license renewal applications. Responded to NRC requests for additional information and provided clarifications on potential open items, as well as contributed to the preparation of an industry generic aging lessons learned document. License renewal project involvement has included assisting utility engineers in developing applicable documents, in addition to leading civil/structural efforts.

Component Qualifications – Determined force time histories for replacement steam generators and reactor coolant pumps based on various pipe rupture breaks. Evaluated building framing for tornado loads. Assisted in the design of reactor head inspection platforms. Calculated pipeline rupture probabilities. Analyzed dust collector ductwork for sustaining vented explosion pressure. Developed rigging and shoring plans for pump removals. Determined the tubing and conduit routing and cabinet layout for a reactor vessel leak detection system. Performed component qualification work for several projects that included the preparation and review of piping system calculations. Assisted in modifying containment penetration overpressurization designs based on field identified interference. Designed modifications and analyzed structural components for plant startup. Evaluated the effect of pitting corrosion on the torus shell.

Law Engineering & Environmental Services**10/95-03/98*****Department Manager***

Ms. Thomson supervised the Industrial Environmental Services Department for the Chicago office, which provided both engineering and environmental technical services applicable to the assessment and remediation of impacted media associated with volatile and semi-volatile organic compounds, PCBs and metals. She was responsible for marketing, technical training development and assuring that quality service was provided within a timely manner within authorized budgets.

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	<p>Services 05/91-10/95 <i>Principal Engineer</i></p> <p>Ms. Thomson performed and provided senior leadership and direction on facilities engineering and environmental engineering projects. Representative facilities engineering projects consisted of condition surveys of high rise office and apartment buildings, hotels, office/warehouse buildings and shopping centers. Surveys included the evaluation of structural members, foundations, roof systems, pavements, exterior walls and mechanical systems. Construction documents were reviewed and as built conditions compared to design parameters. Repair and maintenance programs were subsequently developed.</p> <p>Representative environmental engineering projects included brownfield redevelopment studies and assessments of industrial facilities, municipal/industrial landfills, dry-cleaning establishments, and gasoline service stations for environmental hazards and liabilities. She reviewed solid and hazardous waste practices, manufacturing operations and regulatory compliance issues. She also developed sampling and analytical work plans for soil, groundwater and surface water contaminants and evaluated subsurface impact utilizing risk based criteria. Ms. Thomson has prepared specifications for environmental remediation and site restoration and has monitored remedial contractor activities.</p> <p>Law Engineering & Environmental Services 02/88-05/91 <i>Project Engineer</i></p> <p>Ms. Thomson conducted numerous engineering and environmental due diligence surveys to assess for adverse conditions to structures and property. Engineering scope of services included identification of constraints on future development and recommendations for repairs and replacements. In addition, she was also responsible for identifying asbestos-containing materials on building components and she has been involved in all aspects of asbestos consulting including performing comprehensive surveys, designing operation and maintenance programs,</p>
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awareness training, preparing abatement specifications and conducting air monitoring/work observation. Environmental scope of services included closure of underground storage tanks, soil gas surveys, and the installation of soil borings and groundwater monitoring wells.

Sargent & Lundy Engineers
Staff Engineer

01/83-02/88

Ms. Thomson was involved in a variety of structural design work including concrete and steel framing for several nuclear power plants and the evaluation of mechanical support loads on structural members. Design work was a combination of manual calculations, sketches and computer generated design. Ms. Thomson also performed numerous examinations of buildings and related structures at nuclear and fossil power plants to identify problems and assess the cause of failures. Representative projects have included the evaluation of building members, foundations for large equipment, underground piping systems ranging from two to seventeen feet in diameter, railroad tracks, bridges and chimney stacks.