

LONGENECKER and ASSOCIATES

EXPERIENCE SUMMARIES FOR KEY PERSONNEL

Fred Briggs III

EXPERIENCE SUMMARY:

Mr. Briggs has more than 30 years of experience with nuclear energy programs in the United States and abroad. Specific strengths include performance assurance, issues management, independent assessments, quality assurance, nuclear oversight, regulatory affairs, plant safety, and licensing/design basis topics. Mr. Briggs has been recognized at the national level by EPRI, NEI and the NRC for efforts related to regulatory requirements management.

RELEVANT EXPERIENCE:

Currently team lead for the preparation of a “nuclear-grade” Quality Assurance (QA) Program at the Los Alamos National Laboratory (LANL). Specifically tailored to fit the large-scale environmental remediation efforts being undertaken by LANL, this program meets the more rigorous norms and standards of the commercial industry, and includes the generation of over 100 quality and work process procedures. Paralleling the QA effort, the team generated and is implementing an Integrated Work Management (IWM) process. As a concept, IWM integrates multiple site programs that protect the public, workers, environment and national security interests. Mentoring cultural change that improves performance assurance and oversight systems as LANL transitions to a new management team is a significant component of the effort.

Following appointment of the Nuclear Regulatory Commission (NRC) as the “mentor” for regulatory affairs at the Savannah River National Laboratory (SRNL), advised SRNL concerning the content and completeness of Department of Energy (DOE) nuclear and environmental submittals prior to NRC review.

Advised the Director, Office of Repository Development (ORD) at the Yucca Mountain Project (YMP), concerning the strategic initiatives necessary to transition both the YMP and the associated Department of Energy (DOE) interface into a new regulatory environment under the Nuclear Regulatory Commission (NRC). The resulting formal Transition Plan encompassed regulatory relations, issues management and communications, revised organization, core processes and implementation of a culture of process discipline and individual responsibility. Defining jurisdictional responsibilities and identifying the organizational interfaces were significant components of this effort.

For DOE’s Yucca Mountain Project (YMP), Mr. Briggs has also served as a senior advisor to the Licensing Group, responsible primarily for the independent investigation/resolution of sensitive regulatory issues. On a separate assignment, Mr. Briggs participated with a group of senior experts to determine probable regulatory requirements and industry standards for the construction of a geologic repository well prior to the issue of the NRC’s guidance in 10CFR Part 63.

In the area of commercial nuclear power, Mr. Briggs recently provided support to the Point Beach Nuclear Station in preparing for a comprehensive regulatory inspection following two significant safety findings by the NRC.

In earlier assignments, at the Millstone nuclear power station, Mr. Briggs conducted an independent review of the Regulatory Commitment Program for Units 2 and 3 following their acquisition by Dominion. This critical review (conducted in cooperation with former senior NRC management) focused on determining the validity, safety significance, and FSAR impact of

large numbers of outstanding historical regulatory commitments.

As Project Manager, Nuclear Licensing, Mr. Briggs was independently responsible for the conduct of a performance assessment to prepare San Onofre Units 2 and 3 for INPO Evaluation. The action plan helped to assure continuance of San Onofre's "1" INPO Rating during the subsequent evaluation.

Mr. Briggs also provided support to the Crystal River Unit 3 plant as Project Manager for a quality/completeness review. Mr. Briggs led a 14-member team to review plant readiness prior to final NRC inspection and decision for plant restart. The NRC accepted this review in lieu of an NRC-led OSART inspection.

During the mandated shutdown of Northeast Utilities' nuclear complex, Mr. Briggs performed a series of regulatory reviews directly affecting the restart of Millstone Units 1, 2 and 3, including:

- Cross-unit Comparison for Restart Readiness - an external team review to determine which unit was closest to satisfying regulatory requirements for restart.
- Configuration Control Issues - review and/or resolution of numerous configuration management issues, including definition of licensing/design/ engineering design basis terminology.
- Licensing Organization Reconstitution - a detailed team evaluation of site regulatory affairs capabilities at a critical juncture. Included recommendations for reorganization, delineation of policy, organizational responsibilities and review/rewrite of associated procedures.
- Strategic Licensing Support Team - assembly and management of an external team to support utility response to emergent licensing issues; included review/preparation of NRC Briefing Books for Commission Hearings.
- 50.54(f) Letter Response - management of a team which created a "template" for the preparation of the Millstone 50.54(f) response(s).
- Commitment Management - guidance, mentoring and procedural development of effective commitment tracking and implementation, laying the foundation for eventual utilization of commitment management.

During the earlier portion of his career, which encompassed nearly all aspects of the commercial nuclear industry, Mr. Briggs occupied positions of direct technical responsibility in most engineering disciplines.

EDUCATION/TRAINING:

- BS, Nuclear Engineering, University of Arizona
- Reactor Safety Program, Massachusetts Institute of Technology
- French (written and spoken), German (limited)

CERTIFICATIONS/MEMBERSHIPS:

- American Nuclear Society
- Founding Chairman, ANS San Onofre Branch
- Liaison representative, American/European Nuclear Societies
- Program and Steering Committees, ANS/ENS
- International Committee, American Nuclear Society
- Chairman, ANS San Diego Section