



Risk-Informed Technical Specifications Initiative 4b (TSTF-505)

Risk-Informed Technical Specifications (RITS) Initiative 4b, implemented via license amendment specified in traveler TSTF-505, allows a utility to determine completions times (CT) associated with selected Technical Specification (TS) Actions using a risk-informed process. The allowable extension of the CT is based on actual configuration risk up to 30 days. Such flexibility allows the plant to continue full power operation when necessary to address emergent equipment repairs which require time beyond the existing TS allowed times without requiring prior NRC approval (i.e., via NOED or emergency/exigent TS change). The process can also be applied proactively to permit more extensive on-line maintenance, which may allow such activities to be removed from outage scope, which reduces outage complexity and potentially saves critical path time. This initiative enhances nuclear safety by allowing consolidation of equipment outages, providing additional time to ensure all equipment issues are resolved prior to return to service, and reducing unplanned shutdowns.

EPM engineers have significant experience in the development and implementation of RITS Initiative 4b, including the original NRC licensing of the methodology (document NEI 06-09) and pilot plant, and the development of license amendment requests, procedures, and training programs for utilities. As an active member of the RITS Task Force, EPM is involved with the current NRC re-assessment of TSTF-505 scope and additional requirements for implementation being addressed by the Vogtle pilot plant effort.

EPM can provide support for all aspects of development, licensing, and implementation of TSTF-505:

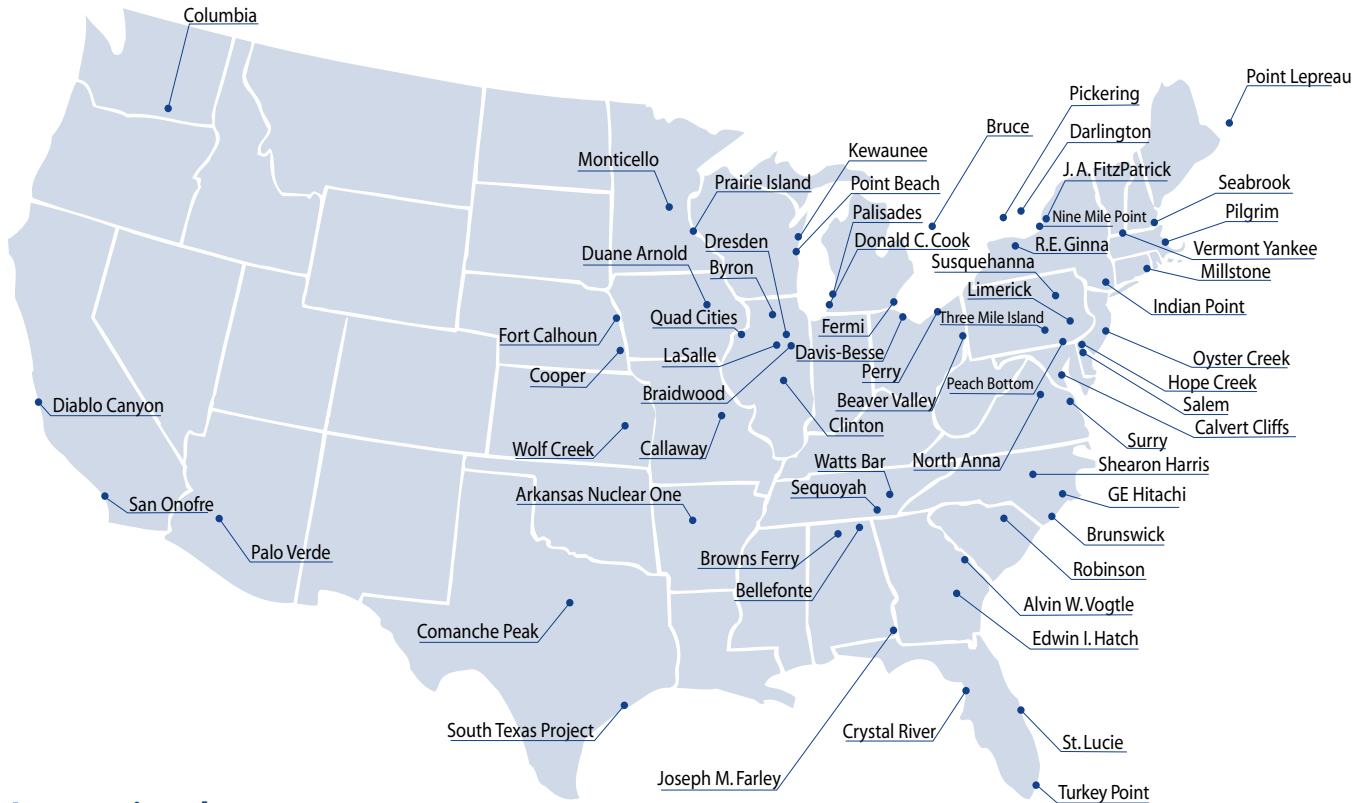
- *License Amendment Request development, pre-submittal meeting, response to RAIs*
- *Program and implementation procedures development*
- *Training program development and delivery (Operations, Work Control, Licensing, Engineering, Managers)*
- *PRA model integration and optimization for configuration risk management*
- *Plant-specific assessment for opportunities to proactively use program for cost savings, outage scope reductions, and plant safety enhancement*

Our services can be customized to address your unique needs through the development of specific engineering solutions for your facilities and circumstances.

In addition to nuclear and fossil utilities, EPM's clients include architect/engineering firms, federal agencies, educational institutions, and other consulting firms as well as a number of commercial companies.

Domestic Nuclear Power Plants

EPM has provided support to over eighty percent of utilities in the United States and ninety percent of utilities in Canada.



International

Assisted nuclear plants in:

- Armenia
- Canada
- Korea
- Japan
- Russia
- Spain
- Ukraine
- United Kingdom

Assisted Nuclear Regulatory Agencies in:

- Armenia
- Canada
- Russia
- Ukraine
- United States
- International Atomic Energy Agency (IAEA)

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