



Nuclear Regulatory Commission  
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Exhibit SCE000018

# Lisa A. Matis

## Project Manager/Regulatory Specialist

### EXPERIENCE SUMMARY

- 1989 – Present    Project Manager/Environmental Engineer, Tetra Tech
- 1985 – 1989      Chemical Engineer, U.S. Armament Research, Development, & Engineering Center

### TECHNICAL QUALIFICATIONS

Ms. Matis has over 26 years experience serving as project manager and technical lead for major environmental programs for government, industrial and utility clients focusing on National Environmental Policy Act (NEPA) documentation, regulatory permitting/compliance, technical guidance development, and other environmental management services.

### EDUCATION

- M.S., Mechanical Engineering, Stevens Institute of Technology, 1989
- B.S., Chemical Engineering, Stanford University, 1984

### DETAILED CONTRIBUTIONS ON RELEVANT PROJECTS

- Ms. Matis served as deputy project manager for the preparation of an environmental report and associated safety analysis report sections for the construction of two new nuclear reactors at the V.C. Summer site in Fairfield County, SC. She developed descriptions of the proposed action and site location and identified permits, authorizations, and consultations associated with construction and operation of the new reactors. Ms. Matis performed the impacts analysis for the uranium fuel cycle and transportation of radioactive materials and waste. She also evaluated alternative heat dissipation, circulating water, and transmission systems. As technical lead, she oversaw all aspects of the environmental report including consideration of alternative energy sources (gas, oil, wind, solar, etc.) and site selection for the proposed facility and supporting infrastructure including transmission.
- Ms. Matis serves as deputy project manager for the preparation of an environmental report and associated safety analysis report sections for the construction of new nuclear reactors at a greenfield site in Victoria County, TX. The project involved a large site characterization effort including ecology, wetlands, water quality, and cultural resources investigations. Ms. Matis developed descriptions of the proposed action and site location and identified the permits, authorizations, and consultations associated with construction and operation of the new reactors. She performed the impacts analysis for the uranium fuel cycle and transportation of radioactive materials and waste. She authored sections evaluating alternative heat dissipation, circulating water, and transmission systems. As technical lead, Ms. Matis provided technical oversight of the content of all the environmental report sections. She contributed extensively to the water resources analytical approach and associated environmental report sections. The project included changes to the proposed reactor technology and the plant configuration. In 2009, Exelon elected to pursue an early site permit (ESP) in lieu of a combined license (COL). The ESP application included a plant parameter envelope covering several potential reactor technologies. Ms. Matis prepared radioactive materials transportation analyses for each reactor technology and supported Exelon's development of an ESP application submitted to the NRC in 2010. Ms. Matis continues to support Exelon during the NRC review of the ESP application.
- Ms. Matis served as an analyst for the preparation of an environmental report for the construction of two new nuclear reactors at the South Texas Project (STP) site in Matagorda County, TX. The STP site currently contains two nuclear units (Pressurized Water Reactors), and the STP owner and operator are proposing the addition of two Advanced Boiling Water Reactors. Ms. Matis performed the impacts analysis for the uranium fuel cycle and transportation of radioactive materials and waste. She also evaluated alternative heat dissipation, circulating water, and transmission systems.
- Ms. Matis served as an analyst for the ESP environmental report for the Southern Nuclear Company application for construction of two new reactors at the Vogtle Electric Generating Plant (VEGP) site. She performed the analysis for transportation of radioactive materials and waste and evaluated alternative heat dissipation, circulating water, and transmission systems. Ms. Matis is also supporting Southern Nuclear Company in the development of NPDES and surface water withdrawal applications for the proposed VEGP Units 3 and 4. Both

permit applications consider the cumulative effects of the proposed units and the existing VEGP Units 1 and 2 on water quality and availability in the Savannah River. This work includes preparation of a water conservation plan, antidegradation analysis, and drought contingency plan.

- Ms. Matis served as an analyst for the preparation of an environmental report for the construction of two new nuclear reactors at the Turkey Point site in Florida. The site currently contains two nuclear units, and the owner and operator are proposing the addition of two Westinghouse AP1000 reactors. Ms. Matis performed the impacts analysis for the uranium fuel cycle and transportation of radioactive materials and waste.
- Ms. Matis serves as project manager for the development of the Michigan Department of Environmental Quality (MDEQ) and U.S. Army Corps of Engineers (USACE) joint permit application for the proposed Fermi 3 nuclear power plant in Monroe County, MI. The project includes wetland delineation and jurisdictional determination support and development of the MDEQ/USACE joint permit application. Tetra Tech also prepared the response to the USACE's supplemental requests for additional information (RAIs) regarding the Fermi 3 COL application. Those RAI responses included consideration of alternative sites and minimization and avoidance of wetland impacts for the proposed Fermi 3 project in accordance with the Clean Water Act Section 404(b)(1) guidelines.
- Ms. Matis served as the project manager for the high-level waste (HLW) and facilities disposition environmental impact statement for the Department of Energy's (DOE's) Idaho National Engineering and Environmental Laboratory (INEEL). This EIS evaluated alternatives for managing the HLW and sodium-bearing waste at INEEL. It also addressed coordination of end state planning decisions for the Idaho Nuclear Technology and Engineering Center including waste treatment and disposition, closure of waste management facilities, decontamination and decommissioning of related facilities, and Resource Conservation and Recovery Act (RCRA) corrective action and Comprehensive Environmental Response, Compensation, and Liability Act remedial decisions. As project manager, she was required to be cognizant of issues ranging from ecology to socioeconomics to accident analysis.
- Ms. Matis served as technical lead, regulatory specialist, and analyst on numerous NEPA evaluations. She assessed impacts of the construction, expansion, operation, and decommissioning of DOE weapons facilities in Idaho (INEEL), Nevada (Nevada Test Site, Yucca Mountain), New Mexico (Los Alamos National Lab, Sandia National Laboratory), Tennessee (Oak Ridge Reservation), South Carolina (Savannah River Site), Texas (Pantex Plant), and Washington (Hanford Site) in environmental assessments and environmental impact statements. Her work included coordination with NRC on DOE's waste incidental to reprocessing determinations and the classification of potential section 11.e(2) byproduct material associated with the decommissioning of a former nuclear fuel facility. She has also assessed the impacts of construction and operation of facilities managing chemical warfare materials for the Department of Defense (DOD). These projects involve collecting data on environmental characteristics and plant systems, analyzing the impacts on the environment, and identifying legal and regulatory requirements applicable to the proposed activities.
- Ms. Matis provides technical and regulatory support to DOE and DOD clients relating to management of radioactive (high-level, transuranic and low-level), hazardous, and mixed waste, byproduct material, and chemical warfare materials. She has supported their environmental compliance programs in developing RCRA permit applications, closure plans, emergency response/contingency plans, training, and inspection programs. Her work activities include design reviews, monitoring of startup testing, and conducting operational readiness reviews of new facilities. She supported closure planning for the Aberdeen Proving Ground mustard demilitarization facilities including decontamination techniques and monitoring and sampling and analysis plans.
- Ms. Matis provides technical analyses of waste management alternatives. She has assessed both DOE and commercial radioactive and mixed waste treatment and disposal capabilities. She prepared an assessment of alternative management strategies for conventional munition wastes to reduce reliance on open burning and open detonation. She has evaluated alternative treatment technologies for chemical warfare materials and chemical agent-related waste.
- Ms. Matis assisted in defining the regulatory requirements for the decommissioning of Sequoyah Fuels Corporation, a former nuclear fuel processing facility. This work involved coordination of NRC-regulated decommissioning efforts with site remediation activities for hazardous constituents directed by EPA and the Oklahoma Department of Environmental Quality under RCRA authority. This included resolution of potential conflicts in groundwater classification and the potential for future groundwater use at the site.