

Résumé of Jessie M. Muir

**Education:** B.S. – Biosystems Engineering, Clemson University, 2000  
M.S. – Environmental Engineering and Science, Clemson University, 2002

**Experience: U.S. Nuclear Regulatory Commission, 2006 – present**

2008 – Present

Project Manager in NRC's Office of New Reactors, Division of Site and Environmental Reviews. Oversee staff and contractor team on the environmental review of the South Texas Project Units 3 and 4 combined license application. Responsible for preparing and publishing environmental impact statement, conducting public meetings, and interacting with federal, state, local agencies, applicant, and members of the public.

2006 – 2008

Project Manager in NRC's Office of Reactor Regulation, License Renewal Program. Managed staff and contractor team on the environmental review of the FitzPatrick Nuclear Power Plant license renewal application. Responsible for preparing and publishing environmental impact statement, leading site audits, conducting public meetings, and interacting with federal, state, local agencies, and members of the public. Provided managerial support on Vermont Yankee and Harris license renewal environmental reviews. Performed technical reviews on the FitzPatrick, Harris, and Susquehanna license renewal environmental reviews in the area of nonradiological waste.

**Science Applications International Corporation (SAIC), 2004 – 2006**

Participated on team performing human health and ecological risk assessments for active and closed military installations in Illinois, Alabama, and Arkansas.

Managed the update and revision of Remedial Investigation reports for military installations.

Participated in biota sampling events at decommissioned military proving ground.

**URS Corporation, 2003 – 2006**

Oversaw the preparation, revision, and update of compliance and operational plans for aluminum manufacturing facility. Prepared stormwater permit application and pollution prevention plans.

Participated in numerous groundwater and soil sampling events at federal and industrial facilities, assisted with data logging and sample control.

Audited active Air Force Bases for environmental compliance. Evaluated solid waste, pollution prevention, cultural resources, wastewater, and/or water quality protocols.

Assisted risk assessors with human and ecological risk assessment for decommissioned military bases. Updated and researched toxicity reference values and performed quality control checks on risk calculations and results.