Haimanot Yilma

Statement of Professional Qualifications

U.S. Nuclear Regulatory Commission
Federal, State Materials and Environmental Management Programs
Environmental Review Branch
Washington, D.C. 20555

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QUALIFICATION SUMMARY

Experienced NRC Project Manager and former Reactor System Manager with knowledge of both reactor and materials programs. Excellent understanding of regulatory requirements applying to both reactor and materials facilities, with background in power plant operation, uranium recovery operations, and fuel fabrication. Experienced in managing technical review teams, formulating budgets, and developing, executing, and monitoring contract requirements. Demonstrated ability to proactively manage system performance to meet or exceed plant safety, production, and cost goals by preventing equipment failures and improving system reliability. A highly motivated professional with the proven ability to investigate and solve reoccurring issues, with extensive experience troubleshooting and testing power plant systems. Possess excellent interpersonal skills, with a history of working across disciplines to achieve common organizational goals.

PROFESSIONAL EXPERIENCE

Project Manager — **September 2008-Present**
U.S. NUCLEAR REGULATORY COMMISSION — Rockville, MD

Environmental Review Project Manager:

- Manage NRC and Contractor staff in developing environmental impacts statements and other documents to ensure the NRC complies with the National Environmental Policy Act (NEPA) for licensing actions involving nuclear fuel cycle and materials facilities
- Coordinate with NRC staff in FSME and other NRC offices, as well as legal staff, management, applicants, and stakeholders
- Plan and conduct targeted scoping meetings to gain information regarding proposed projects from applicants, local regulators, Native American tribes, and other interested stakeholders
- Provide guidance on NEPA requirements to NRC licensing staff and management
- Train and mentor junior staff on preparing NEPA documents and associated correspondence, such as developing requests for additional information (RAIs), managing contracts, providing technical direction to contractors, conducting targeted scoping meetings, responding to public comments, and maintaining project schedules
- Prepare project briefing packages, RAIs, Federal Register Notices, consultation letters, and memos
- Brief management on key issues that may impact project schedules or cost
- Provide recommendations to management regarding appropriate NEPA review types and the need for contractor support
- Provide input for NRC legal staff to support the staff positions in contested hearings before the Atomic Safety and Licensing Board
- Develop guidance for the staff's Project Management Manual for preparing NEPA-related documents, developing contracts, and reviewing contractor proposals
- Possess excellent interpersonal skills and a demonstrated ability to manage projects successfully

Technical Project Manager and Branch Contracts Lead:

- Write Statements of Work to accurately reflect project deliverables and expectations
- Prepare accurate and well-researched Independent Government Cost Estimates
- Prepare thorough and detailed evaluations of contractor proposals
- Chair a Source Evaluation Panel (SEP) for a contract valued at over $10M
- Serve as a technical advisor on a SEP for a contract valued at over $8M
- Provide technical direction to contractors regarding environmental documents
- Communicate frequently with contractors to clarify expectations and schedule
- Monitor contractor performance and spending
- Organize and conduct contract kick-off meetings for single task orders and basic contracts with several task orders
- Manage basic contract (Large IDIQ totaling ~8M)
- Support Branch Chiefs with budget planning input, including resource allocations and prioritizations
- Provide guidance to staff on contract preparation and proposal evaluation
- Provide Branch input for advanced procurement plans to ensure projects are properly funded each quarter

System Manager **January 1999-September 2008**
EXELON NUCLEAR/ PECO NUCLEAR DELTA, PA

- Developed thorough knowledge of system design bases, regulatory requirements, component history, and vendor recommendations
- Managed a project (valued in excess of 10 million dollars) to implement a Preventative Program on Hydraulic Control Units utilized to safely shut down the nuclear reactor
- Developed and established priorities for corrective maintenance, preventive maintenance, and diagnostic activities
- Developed troubleshooting plans for system-level and difficult component-level issues and provided technical direction to Operation and Maintenance personnel during plan implementation
- Optimized preventive maintenance on various HVAC and Control Rod Drive systems (important for safe shutdown of a nuclear reactor) by analyzing and trending equipment performance, reviewing applicable industry operating experience, and verifying vendor recommendations
- Provided technical support to Operations and Maintenance departments during the performance of major activities such as logic system functional tests, surveillance tests, and modification acceptance tests
- Initiated and managed a project (valued in excess of one million dollars) to improve the reliability of Containment Isolation Valves important to nuclear safety
- Successfully coordinated testing on plant Control Room HVAC systems to validate habitability requirements established by the NRC
- Analyzed critical chiller and air handling unit parameters, as well as component failures, to identify adverse trends and recommend proactive maintenance improvements
- Resolved a longstanding, recurring equipment failure that was impacting filtration units (by utilizing advanced instrumentation to identify failed component), resulting in a savings of more than $40,000 annually

Research Assistant **June 1998-July 1998**
DEPARTMENT OF BIOLOGICAL RESOURCES ENGINEERING AT University of Maryland, College Park COLLEGE PARK, MD

- Conducted experiments in UMCP's Human Physiology Performance Lab to assess the work efficiency of individuals wearing respirators
- Operated treadmill and airflow perturbation devices during experiments
- Monitored EKG, respiratory, and temperature measurements of individuals during experiments
- Presented the abstract "Comparison of Respirators" to McNair scholars

Design Project **January 1998-May 1998**
DEPARTMENT OF CHEMICAL ENGINEERING AT University of Maryland, College Park COLLEGE PARK, MD

- Developed a process separating ethanol from fermentation broth to achieve the highest purity
- Selected, from a class of more than 50 UMCP Chemical Engineers, to participate in a joint program with MIT students to optimize the process
- Utilized ChemCad Software to simulate the process
- Presented design to Chemical Engineering Design Class

EDUCATION

Master of Business Administration, May 2010
Robert H. Smith School of Business, University of Maryland, College Park, MD

Bachelor of Science in Chemical Engineering, **May 1998**
University of Maryland, College Park, MD

SKILLS

- Knowledge of various computer applications and languages including MS word, MS Project, Excel, PowerPoint, SharePoint, Visio, Matlab, Aspen Plus, and ChemCAD simulation software

LEADERSHIP ACTIVITIES

- Received NRC Performance award for four consecutive years
- Member of the Federal Women's Program Advisory Committee
- Member of the FSME Safety Culture Representative
- Member of Tribal Policy Development Working Group
- Chaired the Peach Bottom Atomic Power Station Diversity Council
- Member of the Industrial Safety Working Committee at Exelon Nuclear
- Selected to represent Exelon Nuclear at the Executive Leadership Conference held in Washington, DC
- Selected to represent Exelon Nuclear at various career fairs to recruit new employees
- Selected from a site of more than 600 employees to participate as a representative at the Exelon Corporate Diversity Peer Group, chaired by the VP of Exelon Nuclear Operations
- Volunteered to train more than 600 employees on the benefit of Diversity in the workforce
- Selected from a pool of experienced Engineers to lead a Prompt Investigation Team at Peach Bottom; the team investigated component failures with significant impacts to the station and presented its findings to Senior Management