

Paula Myers Robinson, P.E.

Professional Engineer: 36357

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Objective

Experienced leader and licensed Professional Engineer seeking a leadership position to combine leadership and technical skills in the successful implementation of diverse innovative initiatives and to continue professional career development as a solutions-oriented thought leader.

Education

Tulane University, New Orleans, LA

Bachelor of Science (**Electrical Engineering**) and Bachelor of Science (**Physics**),
(Dual Degree Program with **Xavier University** of Louisiana, New Orleans, LA)

Graduation: December 2005 GPA: 3.817 (Summa cum Laude)

Computer Skills

ETAP (Electrical Transient Analysis Program), Mathematica, Matlab, PSpice, LABView, Plant Data Management System (PDMS), Indus Asset Suite, Microsoft Office, AutoCAD

Work Experience

September 2019- present

Entergy Operations: Waterford 3 Nuclear Power Plant, Killona, LA

Information Technology – Operational Tech Manager

Primary Responsibilities include:

- Ensures site projects and site IT portions of fleet IT projects are completed on time, within budget, and are in compliance with customer and site standards. Recent major site projects: Core Protection Calculator Upgrade, Broad Range Gas Monitor Upgrade
- Responsible for the nuclear cyber security program under 10CRF73.54 compliance at the site (implementation and maintenance) and participation as a leadership member supporting fleet cyber security program compliance.
- Coordinates installation, maintenance and upgrades to the site local area and wide area networks including servers, network switches, LAN wiring, wireless, and other infrastructure items.
- Oversight and responsibility of all IT owned compliance programs such as Software Quality Assurance (SQA)
- Provides oversight and direction for Life Cycle Management and support of the operational technology (OT) systems at the generation site, including the site process computer and security computer systems.
- Ensuring adherence and compliance to site, business, and corporate standards and applicable regulations and laws for OT systems.
- Responsible for site OT systems disaster recovery plans including OT systems and business systems.
- Coordination of maintenance and upgrades to desktop computer systems and workstations including the PC acquisition, retirement, and inventory management.
- Coordinates site OT activities with site management and customers and provides timely interface between the site and other OT Business Units.

December 2017- present

Entergy Operations: Waterford 3 Nuclear Power Plant, Killona, LA

Design & Programs Engineering Supervisor:

Electrical/Instrumentation & Controls (8 engineers)

Primary Responsibilities include:

- Managing design engineering assignments by assessing requests and assigning tasks based employee strengths, areas of expertise and desired areas of improvement.
- Controlling engineering cost through tracking expenditures within budget parameters and maximization of staff productivity by prioritizing tasks, forming sub-teams and assigning tasks based on team member strengths.
- Monitoring personnel and overall group effectiveness through established and individually developed metrics in achieving established goals to reduce backlog, resolve equipment issues and improve equipment reliability.
- Functioning as a team leader as needed to design solutions to prevent, detect and correct equipment issues and to protect design basis requirements and margins.
- Communicating technical information, concepts, and ideas verbally and in writing with all levels of the organization including representing the department at required meetings.
- Proposing process and design changes that improve station and personnel efficiency and reliability.

- Interfacing with other Entergy sites and peers throughout the nuclear industry to implement best practices in a standardized approach to maximize program effectiveness and drive excellence in design quality.
- Ensuring all activities are performed within regulatory and procedural guidelines and regularly interfacing with regulatory and industry representatives on behalf of the station.
- Collaborating with peers as part of leadership team to evaluate best practices and develop and implement strategies to improve team effectiveness, efficiency and productivity without compromising safety or quality.
- Clearly and consistently communicating Entergy's vision and mission to team.

July 2016 – December 2017

Entergy Operations: Waterford 3 Nuclear Power Plant, Killona, LA

Nuclear Independent Oversight:

Assessor (rotate/developmental position)

Primary responsibilities include:

- Reviewing site and department performance data and observing daily activities to provide insights on performance trends to improve station performance.
- Serving as the functional area owner for Engineering and Performance Improvement to promote a quality-centered culture and provide consultation to plant departments regarding quality assurance issues.
- Effectively communicating observation data and findings to site lead team to address preclude performance decline.
- Exercising stop work authority over non-conforming production and engineering activities that present a significant risk to plant equipment and/or personnel.

September 2014 – July 2016

Entergy Operations: Waterford 3 Nuclear Power Plant, Killona, LA

Systems & Components Engineering Supervisor:

Electrical/Instrumentation & Controls (7 engineers)

Primary responsibilities include:

- Managing system and component engineering assignments to ensure the group is responding appropriately to department and organizational needs as well as appropriately prioritizing and addressing Corrective Action Program backlog. .
- Controlling engineering cost through tracking expenditures within budget parameters and maximization of staff productivity by prioritizing tasks, forming sub-teams and assigning tasks based on team member strengths.
- Monitoring personnel and group effectiveness in achieving established goals to reduce backlog, resolve equipment issues and improve equipment reliability.
- Functioning as a team leader as needed to facilitate resolution of equipment issues.
- Supervising personnel performance and resolving employee conflicts or concerns.
- Communicating technical information, concepts, and ideas verbally and in writing with all levels of the organization including representing the department at required meetings.
- Proposing process and design changes that improve station and personnel efficiency and reliability.
- Interfacing with other Entergy sites and peers throughout the nuclear industry to implement best practices in a standardized approach to maximize program effectiveness and drive equipment reliability.
- Ensuring all activities are performed within regulatory and procedural guidelines and regularly interfacing with regulatory and industry representatives on behalf of the station.
- Clearly and consistently communicating Entergy's vision and mission to team.
- Ensuring team assignments have clear objectives, accountabilities and results and consistently communicating standards and expectations to team.
- Consistently requesting and providing feedback and providing incentives for high performance; consistently establishing clear links between performance and consequences.
- Consulting with team on issues that impact them while encouraging honest, transparent and candid open dialog.
- Regularly engaging with team to develop their careers based on strengths and interests.
- Removing barriers and creating an atmosphere of teamwork, inclusion, and mutual support.

July 2009 – September 2014

Entergy Operations: Waterford 3 Nuclear Power Plant, Killona, LA
Senior Electrical Design Engineer,
Electrical Engineering Design Department

- Major Projects: Electrical Design Responsible Engineer for site Emergency Diesel Generator Governor Upgrade Project; Electrical oversight of site Security Upgrade Project including installation of new power distribution system with UPS/battery backup, external lighting upgrade, explosive and metal detector upgrade, and new camera installations.
- Perform short circuit and load flow analysis studies using ETAP to ensure adequate system design and to ensure protective device coordination for plant systems and equipment.
- Provide Electrical review of engineering packages to ensure Nuclear Regulatory Commission (NRC), IEEE, NEC and NFPA design compliance.
- Develop plant design modification packages including estimates, scopes of work, calculations, drawings (wiring, layout, and one-line), installation and operating instructions, preventative maintenance plans and procedures as needed for new system/component installations as well as for component or system upgrades.
- Manage contracts for external engineering services
- Provide technical support for troubleshooting electrical failures and develop strategic plans for restoration and repair.
- Provide electrical technical support during refueling and electrical equipment outages and plant emergencies.
- Perform common and root cause analysis evaluations to determine and eliminate or minimize repeat equipment/system failures.
- Develop and present peer training based on various electrical theories, principles, and techniques.

March 2008 – July 2009

Jacobs Engineering, Metairie, LA
Control Systems/Electrical Engineer

- **ExxonMobil Chalmette, Low Nox Boiler Upgrade Team:**
Upgraded all controls and instrumentation for F-0809, F-0810, and F-0402 boilers, completed CEMS analyzer upgrade and Honeywell TDC 3000 upgrade to comply with Low Nox emissions requirements. Completed design packages included developing wiring and loop diagrams, developing instrument specifications, and revising piping and instrumentation diagrams (P&IDs).
- **Shell Offshore, Inc, Bullwinkle Gas Detection Upgrade:**
Designed point gas detector system for multiple platform buildings to allow power shutoff through PLC control if lower explosive limit (LEL) thresholds are exceeded. Deliverables provided: scope of work, cable routing, panel fabrication layout and equipment detail drawings, wiring and one-line diagrams.

January 2006 – March 2008

Entergy Operations: Waterford 3 Nuclear Power Plant, Killona, LA
Electrical and Instrumentation Design Engineer II,
Electrical Engineering Design, Instrumentation, and Controls Department

- Major Project: Developed the design package, provided external vendor contract management and field support for the installation of an acoustic loose parts valve monitoring system to monitor the health of the steam generators for a Pressured Water Reactor (PWR). System was designed to detect the presence of foreign objects lodged within the steam generators while the process was on-line, between refueling outages.
- Provided Electrical and Instrumentation review of engineering packages to ensure Nuclear Regulatory Commission (NRC), IEEE and ISA design compliance.
- Developed plant design modification packages including estimates, scopes of work, calculations, drawings (loop, wiring, layout, and one-line), installation details and operating instructions as needed for new instrument and system installations as well as for component or system upgrades.
- Managed contracts for external engineering services

June 2004 - August 2004

General Electric Aircraft Engines, Cincinnati, OH
Advanced Controls Technology Department
Advanced Controls Engineering

- Analyzed aircraft engine performance data and developed trends and reports to aid in developing controls technology diagnostic and process improvement recommendations

September 2003 – August 2005

Xavier University of Louisiana, New Orleans, LA
Physics Department
Physics/Math Tutor

- Tutored fellow students in Calculus, Linear Algebra, Differential Equations and various Physics courses including but not limited to Electromagnetic Theory, Quantum Physics, Thermodynamics, Dynamics, and Optics.

May 2003 - August 2003

University of Pittsburgh, Pittsburgh, PA
Research Experience for Undergraduates,
Research Assistant

- Analyzed human head model to observe the characteristic of perfusion flow through the brain using Magnetic Resonance Imaging.
- Results were quantified and trended to evaluate how perfusion can be used to indicate tissue health. Full Report containing results available at:
<http://www.phyast.pitt.edu/~reupfom/paula.pdf>

May 2002 - May 2004

Xavier University of Louisiana, New Orleans, LA
Independent Research
Research Assistant

- Researched the sedimentation of particles in viscous fluids to determine how particle characteristics and the viscosity of various fluids affected sedimentation patterns.
- Pattern characteristics were trended and presented at multiple physics symposiums to prove the correlation between particle sedimentation patterns and fluid viscosity.

**Activities and
Honors**

National Society of Black Engineers member, IEEE member, Women in Nuclear site representative, WF3 Inclusion Council co-chair, T.R.E.A.S.U.R.E.S.: Live-Love-Learn, Inc. community mentor.