Yelina B. Santopolo

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PIPELINE ENGINEERING | PIPELINE COMPLIANCE

As a member of the Pipeline Engineering Team, supports discipline engineering activities to ensure execution of assigned work per Projects' specifications, while ensuring strict compliance with Federal, State, local government regulations, and industry standards. Demonstrates excellent written, verbal communication, as well as people skills through active, purposeful collaboration with Project Team Members across disciplines both in-house and external, to help with the effective implementation of engineering and design procedures that are aligned with Project, Client, and Team objectives.

- **Strong ability to interpret and incorporate into design established guidelines by CFR, FERC, and other applicable gas industry standards**
- **Highly organized with strong attention to details**
- **Tech savvy with the use of Pipeline Toolboxes, Bentley's Microstation, Microsoft Office suite, MS Visio, Projectwise**
- **Strong ability to develop, write, and document processes and procedures**
- **Strong written and verbal communication skills**
- **Strong ability to create useable tools from data processing skills to streamline processes**
- **Leader and collaborator across disciplines**
- **Strong critical thinking skills**
- **Adaptable and able to prioritize, even on short notice**
- **Positive attitude**
- **Accountable**

PROFESSIONAL EXPERIENCE

ENSITEUSA | Houston, TX

Discipline Engineer

- **Pipeline Projects:** Double E Pipeline · Pacific Connector Gas Pipeline (PCGP)
  - Effectively led and coordinated ground reconnaissance efforts with the right-of-way agent (ROW) for the completion of a class location classification study that resulted in the rerouting of a mile segment of the pipeline from Class Location 3 to Class Location 1, to avoid additional restrictions during operations and maintenance (O&M) of the pipeline. Developed and issued to Client corresponding Class Location Classification Study Report.
  - Calculated and effectively optimized line pipe wall thicknesses (*w.t.*) for procurement purposes, based on CFR class location design factor guidelines, including exceptions, and Project specific conditions, ex. pipeline crossings. Developed and issued to Client corresponding Pipeline Wall Thickness Calculations Report, including supporting Pipeline Toolbox (PLTB) reports for pipeline crossings.
  - Effectively calculated *w.t.* for induction bends and segmental bends factoring all required tolerances (API 5L, ASME B16.49, B16.9 & TPA-IBS-098). Developed and issued to Client corresponding specifications documents.
  - Effectively performed pipeline free stress bending calculations and pipeline buoyancy. Developed and issued to Client respective technical documentation supporting the calculations.
  - Accountable for the successful submission of responses to FERC inquiries to the Environmental Contractor (EC). For that purpose, effectively submitted Pipeline Toolbox analysis results of maximum allowable pipe span lengths due to the presence of karst features in the Project area.

ENSITEUSA | Houston, TX (continued)

- Development and submittal of the following technical Project deliverables:
  - Project Execution Plan (PEP)
  - Pipeline Design Basis Manual (DBM)
  - Pipeline Construction Scope of Work (SOW)
  - Cathodic Protection and Alternating Current Interference Mitigation SOW
  - Contractor's Transportation Management and Traffic Control Plan SOW
- Development of Request for Quotes (RFQS) and Vendor Data Requirements (VDRs) for induction bends, segmental bends, plug valves, and large fittings

Double E Pipeline:

- $350 million budget
- Pipeline reroute translated into materials and O&M budget savings

WOOD GROUP MUSTANG | Houston, TX

Discipline Engineer

- **Pipeline Projects:** Clear Lake Ethylene Transfer Pipeline · Lone Star Pipeline · Westward Ho Pipeline
  - Successfully led coordination efforts with ROW, Survey, and Mapping Project Team Members during QA/QC process of issued Plat sets of land parcels for ROW acquisition
  - Successfully performed technical bid evaluations (TBEs) of mainline pipe and fittings
  - Successfully developed SOW for Geotechnical Study
  - Successfully completed engineering QA/QC of alignment sheets and crossing permits
  - Successfully collaborated with Information Management Lead during the gap analysis efforts, including the development of document templates to support the production of consistent, quality project deliverables that led to Wood Group Mustang's Pipeline Business Unit ISO 9001 / TS29001 Certification

CERTIFICATIONS AND TRAINING

Technical Toolboxes Cathodic Protection (CP) Concepts and Design Principles
Technical Toolboxes Cathodic Protection (CP) Design for Buried Pipelines

EDUCATION

Bachelor of Science in Civil Engineering
Instituto Superior Politécnico Julio A. Mella (ISPJAM), Santiago de Cuba, Cuba
Moscow State University of Civil Engineering (МИСИ or MGSU), Moscow, Russia – Civil Engineering studies