

Education	Texas A&M University Bachelor of Science, Mechanical Engineering.	1979
Professional Profile	Mr. Plume's technical experience, combined with his operational management experience, offers a holistic approach to solutions through extensive pipeline knowledge with 24 years of broad-based pipeline experience and technology implementations. His extensive project management and engineering design background encompasses natural gas, liquids, hydrocarbon products, and chemical pipelines, as well as pipeline facilities, instrumentation, and controls. Included in his pipeline career are independent consulting services involving pipeline engineering, design and construction, contract development and negotiations, operator qualifications, and regulatory compliance. Direct employment positions have included personnel management; resource allocation; safety, operational, and administrative systems; pipeline regulations and compliance; project management; engineering design; system controls; quality and statistics; proposal generation and evaluation; business development; and economic analysis.	
Work Experience	WKM Consultancy Consultant for various clients involving pipeline integrity management and risk management programs; pipeline project development and evaluation, major project development, engineering and construction management of new pipelines, facilities, measurement, and control systems; development of Operations and Maintenance Manuals and Emergency Response Procedures among other operating and compliance procedures; development and implementation of Operator Qualification programs. Oasis Pipe Line Company Texas L.P. Developed strategy for creation of a newly formed pipeline operating company. Evaluated organizational needs and implemented company structure. Provided consultation and guidance during company creation from ground up. This included establishment of Field Operations, Administration, Gas Control, and data acquisition, and addressing insurance acquisition, purchasing and accounting processes, human resource needs, etc. Developed all areas of compliance and operating manuals and procedures; engineering standards and practices; drug and alcohol misuse programs including employee assistance programs; and human resource policy manuals. Dow Hydrocarbons and Energy Co. Managed and directed Louisiana Pipeline Operations containing 1200 miles of natural gas, hazardous liquid products, and chemical pipelines, directing the re-shaping and enhancing of an operating division involving procedural and equipment documentation, regulatory compliance, safety, job approach, and personal performance. Developed and implemented other improvements and enhancements throughout, such as risk analysis, quality processes, exposure indexing, operating discipline, work procedures, and Responsible Care, among others. Dow Pipeline Company, Inc. Managed and directed Texas Pipeline Operations containing 3000 miles of natural gas, hazardous liquid products, and chemical pipelines, directing an annual budget of \$8 MM and daily operations and maintenance, capital expansions, cost controls, and personnel performance.	
Project Management	Management and coordination of project development, engineering, design, construction, and start-up of numerous pipeline and facility projects involving a variety of transported products, some of which include: <ul style="list-style-type: none">• 36" Natural Gas, Palestine to Carthage, TX• 30" Natural Gas, Barton to Decatur, AL• 36" Natural Gas, New Braunfels, TX• 24" Natural Gas, Clear Springs to San Marcos, TX• 12" Natural Gas, New Braunfels to Marion, TX	

- 16" Natural Gas, Plaquemine to Chactow, LA
- 6" Propane, Clute to Velasco, TX
- 8" LPG, Winnie to Orange, TX
- Installation of 9000 hp Turbine/Compressor Station
- Installation of 6000 hp Reciprocating/Compressor Station
- Automation and control of 12,400 hp of gas turbine compressor
- Installation of 2000 hp Reciprocating/Compressor Station
- Pipeline Rehabilitation and Upgrade
- Pump Station Automation's and Upgrades
- Numerous pipeline interconnects, regulation and metering facilities