

**DISCUSSION GROUP P8
ON
PIPELINE APPLICATION**



William R. (Bill) Litton, Coordinator, is the Pump Initiative Manager with Magellan Midstream Partners, LP, in Tulsa, Oklahoma. He is an experienced professional engineer with 25 years of experience in the petroleum industry.

Mr. Litton also has project engineering ability and experience in handling pipeline expansions, pipeline pump stations, refineries, fractionators, gas and processing facilities and crude oil, refined products, NH₃, and propane terminals (brine cavern and excavated caverns).

Mr. Litton has a B.S. degree (Mechanical Engineering, 1979) from Kansas State University and a B.S. degree (Mathematics, 1978) from Emporia State University. He is a registered Professional Engineer in the State of Oklahoma.



Bruce Weber, Coordinator, is responsible for the technical support of the mechanical seal division at the Champion Group in Houston, Texas. In this capacity, he supports customers during preliminary selection, design, installation and operation of sealing systems. Mr. Weber's other major role with Champion is customer training. In addition to mechanical seals, this training includes rotating equipment; selection, operation and other associated support systems.

Previously, Mr. Weber was the Operations Manager for Best Equipment. His duties included supervision of the pump repair facility, consulting with clients concerning pumping systems, and pump troubleshooting.

Mr. Weber is currently enrolled at the University of Houston, working toward a B.S. degree.



Morgan M. (Morg) Bruck currently works for Marathon Petroleum Company in the Engineering Standards and Technical Support group that supports Marathon Pipeline and Marathon Ashland Petroleum's Light Products and Asphalt Terminals.

He has worked with the specification, installation, and maintenance of rotating equipment as an engineer since January 1970. Mr. Bruck has had responsibility for the specification, installation, and maintenance of rotating equipment since 1985. He is also a member of the committees for API Standards 610, 674, 676, and 682.

Mr. Bruck is a graduate of Rose-Hulman Institute of Technology (BSME 1969).

Gary Daileda

George J. Maddox is the Engineering/Hydraulics Manager at Best Pumpworks located in Tyler, Texas. He has more than 31 years experience in a variety of engineering design and engineering management positions. Mr. Maddox is currently involved in the design, remanufacture, repair, re-rating, and packaging of centrifugal pumps. His responsibilities include the hydraulic and mechanical design and design evaluations of centrifugal pumps and pump units.

Mr. Maddox has a BSME degree from the University of Texas At Arlington and an MBA from Amber University. He is a registered Professional Engineer in the State of Texas.

Mike Nigro

Leith Watkins has worked in the pipeline industry for 35 years. After graduating in 1975 with a civil engineering degree from Purdue university, he spent 19 years in operations and engineering capacities with MAPCO, at the time the operator of the Mid-America Pipeline System. He then spent several years as a third party project engineer/construction manager for several clients. In 2002, Mr. Watkins started with Explorer Pipeline in Tulsa, Oklahoma, where he is now Manager of Project Engineering. Throughout his career, his focus has been mechanical design and pipeline operation. This included specification of liquid pipeline pumps, performance and maintenance problem solving, and pipeline system hydraulics.
