

**DISCUSSION GROUP P10
ON
IMPROVING MEAN TIME BETWEEN PUMP FAILURES**



John P. Joseph II, Coordinator, is an independent consultant with Rotating Equipment Systems Technical Associates, in Houston, Texas. He was previously with BP Amoco where he provided technical and maintenance support for rotating equipment systems to existing asset organizations in BP Amoco, and to Project Management on new projects. Prior to that, Mr. Joseph was with the Amoco Petroleum Products Refinery, in Texas City, Texas. He supervised the rotating equipment engineers and the rotating equipment specialists for the refinery.

Mr. Joseph received his B.S. degree (Mechanical Engineering, 1972) from the University of Texas at El Paso.



Bill Litton, Coordinator 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.



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).
