

DISCUSSION GROUP P6

CENTRIFUGAL PUMP OPERATION, MAINTENANCE, and RELIABILITY



Jacek Jarosz, is a Global Leader of Rotating Equipment Technology with Flint Hills Resources Co. In his current assignment he provides technical support for reliability policy, specs and standards, selection and procurement of machinery in Flint Hills Corp. Mr. Jarosz's past experience includes reliability, maintenance and project positions with DuPont Co. and Celanese Ltd. supporting domestic and international chemical operations. Mr. Jarosz received BSME from University of Delaware in 1990. He is a member of ASME and Vibration Institute.



Kerry F. Gunn is a Principal Engineer with Lyondell Houston Refining. He is assigned to the FCCU unit where he provides reliability engineering support, including machinery repair; troubleshooting of rotating equipment; and identifying reliability improvement projects for rotating equipment. Mr. Gunn worked for 14 years at Sterling Chemicals as a Rotating Equipment technologist and five years at Quantum Chemicals Houston Plant as an Area Maintenance Engineer and Project Engineer. Mr. Gunn was also a Senior Research Engineer at Exxon Research and Engineering for nine years. He designed, constructed, and operated synthetic fuels pilot plants. Mr. Gunn received a B.S. degree (Mechanical Engineering, 1975) from Oklahoma University and an M.S. degree (Mechanical Engineering, 1977) from Purdue University. He is a member of ASME and the Vibration Institute, category II certified.



Eugene (Dale) Atwell is a Senior Engineer at Celanese Corporation working in the Center of Reliability Engineering (CoRE), based out of Florence, Kentucky, the Company's Plastics Division's NA Headquarters. Mr. Atwell is responsible for Global Reliability and the Global Maintenance strategy for the Americas, European, and Asian manufacturing sites. He has 34 years' experience in the industry working around the globe to insure and improve reliability of rotating equipment.

Ralph Henry Borchard is a Machinery Engineer at Lyondellbasell Houston Refining. He is a graduate of Texas A&M University with a B.S. in Mechanical Engineering.



Watson Tomlinson is presently an Industry Specialist, Nuclear NA in the Flow Solutions Group of Flowserve. He joined Flowserve in the fall of 1999 after more than 17 years with Duke Power Co. His present responsibilities include failure analysis, vibration analysis, field performance testing and technical support for pumps at nuclear facilities in North America. Mr. Tomlinson has performed pump and system testing in over 100 facilities in the eastern United States as well as the Caribbean. This includes testing and root cause failure analysis at power plants, refineries, chemical, paper and water treatment facilities. Prior to Flowserve Mr. Tomlinson's experience at Duke Power also included maintenance of and troubleshooting of rotating equipment and systems where he worked in both nuclear and fossil stations. Mr. Tomlinson has a B.S. degree in Mechanical Engineering from North Carolina State University (1982).

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