

## **Dr. J. Robert (Bob) Paterek**

Dr. Paterek is the Technology Director for Bison Renewable Energy

Dr. Paterek was the Senior Environmental Manager with the Gas Technology Institute in the Chicago area. He directed environmental and energy-related projects valued at greater than \$14M. Many of these activities applied his expertise in Anaerobic Digestion and Engineering during his 12+ year GTI tenure. Since leaving GTI in October 2004, he administered numerous technical and research ventures. In his twenty-five years of Activities in applied biotechnology and engineering research, development, and deployment, Dr. Paterek has successfully obtained and managed programs in the industrial, energy, and environmental fields. Cooperation and collaboration with universities, government agencies, energy companies, and utilities has lead to the creation of numerous novel techniques and technologies. Included among these include: anaerobic digestion methods for manure from swine and cattle; biological generation of hydrogen from wastes and plant feedstock; preventing microbial influenced corrosion (MIC); biological enhanced petroleum recovery; and bioremediation of toxic soils, sediments, and water. His efforts led to the award of four patents. Professional activities include: founding member of National Water Research Institute research advisory board of Fountain Valley, CA; 25-year member of the American Society for Microbiology; committee for the National Institute of the Environment; and memberships in American Society of Agricultural and Biological Engineering; Biomass Energy Research Association; Society of Industrial Microbiology; National Association of Corrosion Engineers; and American Association for the Advancement of Science. His research has generated more than 100 publications, extended abstracts, and invited presentations.

Dr. J. Robert (Bob) Paterek  
Technology Director  
Bison Renewable Energy  
(612)280-7616  
Email: [bob.paterek@bisonenergy.us](mailto:bob.paterek@bisonenergy.us)