commercial microbiology®

Bacterial Monitoring and Control In Oilfield Systems

Biological fouling (biofouling) of process equipment used in treating and transporting seawater can result in Microbiologically Influenced Corrosion (MIC), filter blockages, poor heat transfer efficiency, losses in injectivity and reservoir souring. A variety of bacteria are involved in biofouling, with the sulfate-reducing bacteria (SRB) and the associated sulfide produced, often cited as the causative agent in many problems. Detection, of these fouling organisms is often difficult, requiring an understanding of their ecology and distribution throughout the system. Control of biofouling, requires implementation of effective monitoring and preventive maintenance programs. Differentiation of the biological fouling components from corrosion products and scale is essential for optimisation of preventative treatment.

About this Workshop

Commercial Microbiology® is pleased to present this one day course, which is designed to provide delegates with the current perspectives on bacterial monitoring, biofouling prevention and treatment optimisation in oilfield systems. Through a series of lectures, demonstrations, informal discussions and question & answer sessions, delegates will learn about current techniques for bacterial monitoring and control. Lectures are presented by Dr. Stephen Maxwell who has over 20 years practical experience of bacterial problems and solutions in the oilfield.

Course Topics

- Introduction to Microbiology
- Bacterial Growth
- Biofilms and Biofouling
- Bacteria Monitoring
- Water Injection Systems
- Microbial Corrosion
- Reservoir Souring
- Biocide Treatment

Who Should Attend

This course offers an opportunity for representatives from both service suppliers and operating companies in the oil industry to interact and share their experience. It is aimed towards engineers, plant operators, maintenance personnel, design engineers, corrosion engineers and chemists responsible for industrial water systems.

Course Fee

The course fee is $ 500 per delegate. Lecture notes and documented procedures will be provided.

Course Reservation

Please reserve ___ place(s) on the course running on …….. 2004.

Company: Name(s):

Address:

Payment in full prior to course date, please

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