

Chemistry in the Oil Industry X

Oilfield Chemistry: REACHing the Solution

5th – 7th November 2007, Manchester Conference Centre, UK

PROGRAMME

Session 1: REACH: Regulatory & Legislative Issues

Keynote Lecture:

REACH – The Big Picture

Gary Dougherty, *HSE (UK Competent Authority)*

REACH – From a Supplier's Perspective

Stuart Longworth, *Sankey Safety Consultants Ltd*

Intelligent Safety Evaluation and Prediction of Properties

John Hislop and Derek Knight, *SafePharm Laboratories Limited*

Session 2: Drilling and Well Service

Simultaneous Fracturing and Inhibitor Squeeze Treatments in Gas Reservoirs: A New Approach to Tailor Chemistry to Reservoir Conditions

Bernhard Lungwitz, Leonardo Maschio, Jason Rall, Marieliz Garcia, Oscar Bustos and Bilu Cherian, *Schlumberger*

Improved Chemical Designs for OBM Skin Damage Removal for Production and Injection Wells

Dave Marshall, Tom Jones, Lirio Quintero, Adrian Smith and Alex McKellar, *Baker Hughes Drilling Fluids*

Chemical Treatment Improves Cuttings Re-injection

Ahmadi Tehrani and Mary Ann George, *MI-SWACO*

Session 3: Separation and Down Stream Operations

Rheological Characterization of Water/Crude Oil Interfaces

Christine Dalmazzone, Christine Noïk, Carlos Quintero and Aurelie Mouret, *IFP*

Sources of Crude Oil Quality Variation and its Impact on Refining

Lawrence N. Kremer, *Baker Petrolite*

A Revolutionary New Approach to the Cleaning of Oil Refinery Systems

Chris Jones, Marcus Mantysaari, Brian Downward, *Rhodia UK* and Berthold Otzisk, Hermann Kempen, Dirk Huennemann and Kai Stallbaum, *Kurita Europe GmbH*

Session 4: Flow Assurance

Understanding Naphthenate Deposition and the Responsible Tetraprotic Acids Previously Known as ARN

Ben E. Smith, *Oil Plus Ltd*; Bjart F. Lutnaes, Jostien Krane, *Norwegian University of Science and Technology (NTNU)*; Geoffrey Fowler, *BG Group* and Steve J. Rowland, *University of Plymouth*

Insights for the Prediction of Soap Formation in Exploration and Production.

Andrew G. Shepherd, Ken S. Sorbie, Gillian B. Thomson and Robin E. Westacott, *Heriot Watt University*

New Approaches to Low Dose Gas Hydrate Treatment

Michael Jurek, Marc Alexandre and Stephen Bell, *International Specialty Products*

Session 5: Environmental Issues

Keynote Lecture:

Evaluation of the Hazard and Risk of Chemicals Used by the UK Offshore Oil and Gas Industry and Management and Reduction of Use of Those Considered of Greatest Environmental Concern. Forecasting Trends in Chemical Use and Impacts.

Dave A. Sheahan, Anthony J. Millais, Paula Neall, Richard J. Rycroft, Shirley Thompson, Mike A. Tolhurst and Laura Weiss, *CEFAS*

Keynote Lecture

Legalization of Chemical products in Russian Federation

Albert T. Lebedev, *Moscow State M.V. Lomonosov University*

Bioconcentration: Comparison of Methods for Assessing Potential Hazards of Offshore Chemicals

Anthony J Millais, Richard J Rycroft, Mike A. Tolhurst and Dave A. Sheahan, *CEFAS*

A Method for Measuring n-Octanol/Water Partition Coefficients for Nonionic Surfactants

Arron Karcher, Henry Wiggins, Ian Robb and J. Michael Wilson, *Halliburton*

Session 6: Integrity

Environmentally Adapted Demulsifiers Containing Weak Links

Per-Erik Hellberg, *Akzo Nobel Surface Chemistry AB*

Corrosion Inhibition in PWRI Systems which use Nitrate Treatment to Control SRB Activity and Reservoir Souring

Jim F. D. Stott, Graeme Dicken, Tony Rizk, *Intertek CAPCIS Ltd*, Chris Gamble, Simon Saul, *Baker Petrolite*, and Tom Granli, Thor Haegh, *Yara International ASA*

High Throughput Evaluation of Biocides for Biofouling Control in Oilfields

Bei Yin, Jeff Yang, Ute Bertheas and Julie Adams, *Dow Biocides*

Session 7: Scale

Development and Validation of a Novel Method for Quantification of Polymeric Scale Inhibitors and a Comparison of Obtained Data with Current Commercial Techniques

Alan Thompson and Kristy Burnett, *Champion Technologies*

Electrodeposition of CaCO₃ and the Effects of Inhibitor/Surface Interactions

Aurelie Martinod, Helene Job, Anne Neville, *University of Leeds* and Ken S. Sorbie, *Heriot Watt University*

Biodegradable Scale Inhibitors. Laboratory and Field Evaluation of “Green” Carbonate and Sulphate Scale Inhibitors with Deployment Histories in the North Sea.

Myles M. Jordan, Neil Feasey, Clare Johnston, David Marlow and Morag Elrick, *Nalco Ltd.*

Biodegradable Chelates for Barium Sulphate Dissolution in Offshore Oilfields

Corine A. de Wolf, Ingrid C.M. Huybens, Kees van Ginkel and Roy Geerts, *Akzo Nobel Chemicals Research*,