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Oil-in-Water Monitoring Workshop

Thursday 18 September 2008

Oil-in-Produced Water Measurement Training Course

Wednesday 17 September 2008

Thistle Aberdeen Airport Hotel

Organised by

TUV NEL LTD, EAST KILBRIDE, GLASGOW, UK

BOOKING HOTLINE: +44 (0) 1355 272858

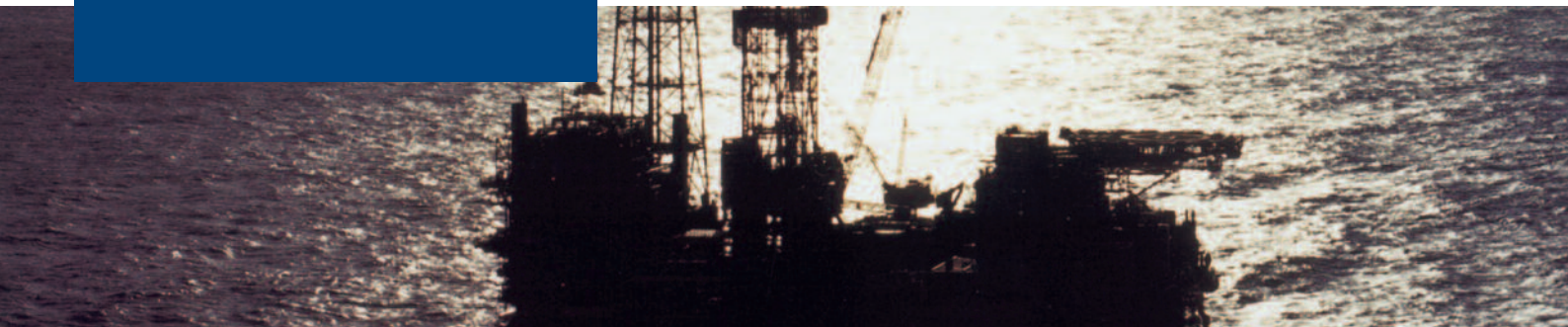
ONLINE BOOKING: www.tuvnel.com/events.aspx

Oil-in-Water Monitoring Workshop

Thursday 18 September 2008

Thistle Aberdeen Airport Hotel

ABERDEEN, UK



Introduction

Measurement and analysis of oil-in-produced water offshore continues to be a hot topic. Not only because of the new OSPAR GC-FID oil-in-water analysis reference method that was introduced in 2007 across the OSPAR nations, but also because there has been an increase in the use of online oil-in-water monitoring for produced water treatment process optimisation and control.

For the last 10 years, this Oil-in-Water Monitoring Workshop has provided an excellent forum where issues related to oil-in-water measurement, analysis and monitoring, in particular for the offshore oil and gas industry, have been discussed and debated. It has also offered a platform for many of the new technologies developed on oil-in-water measurement to be shown and demonstrated.

For this year's Workshop, the 10th in the series, the themes to be discussed will include new technologies, sample and sample handling, field operational experiences especially on online oil-in-water measurements and OSPAR GC-FID method implementation issues etc. A number of exciting new oil-in-water measurement technologies will be showcased at the event.

Workshop Objectives

The Workshop will allow delegates the opportunity to network, interact and share experiences with operators, regulators, instrument suppliers and contractors from around the globe.

Attendees will be able to keep abreast of the latest technological and legislative developments as well as current practice and trends in oil-in-water analysis, monitoring and measurement.

Topics and Themes

- OSPAR GC-FID method implementation experience and challenges
- New bench top OIW analysis methods
- Online monitoring and field operational experiences
- Sampling and sample handling
- Future trends

Who Should Attend

The event is designed for those who are concerned with the analysis, monitoring and measurement of oil-in-produced water in relation to discharging, reporting and re-injection.

It is aimed at:

- Production engineers and chemists
- Environmental engineers / advisers / officers
- Produced water management, treatment, handling specialists
- Process engineers and chemists
- Regulators
- Consultants
- Researchers

Workshop Discussion Periods

There will be two open discussion periods with the following themes:

- OSPAR GC-FID method implementation
- New oil-in-water measurement technology

TUV NEL

TUV NEL is a leading provider of pipeline fluid management services to the global petroleum industry. We have an impressive track record in the development, design and application of leading-edge technology in order to reduce production costs and increase profitability, whilst maintaining safety. We provide consulting, training, R&D and laboratory testing services in the following areas:

- Flow Measurement (oil, gas, water, wet gas, multiphase & heavy oil)
- Produced Water Systems
- Computation Fluid Dynamics Modelling and Interpretation
- Environmental (produced water, emissions and oil-in-water)
- Calibration of Metering Systems

TUV NEL is part of the TUV SÜD Group, the leading global testing services organisation. With over 13,000 employees, it is represented worldwide at more than 600 locations. For further details on how TUV NEL can help your business, please visit our website www.tuvnel.com or contact us directly.

Exhibition Opportunities

Suppliers of equipment and services who attend the Workshop are invited to sponsor or exhibit at the event. This will give your company a profile in the final programme in addition to a stand space at the exhibition. Please contact the address on the back page for further details.

Delegates Fees

The registration fee for the Workshop is £450 plus VAT. The fee covers delegate attendance, lunch, refreshments, Workshop documentation, comprising of a bound set of all the papers presented, and also a CD containing all the Workshop proceedings.

The Workshop will be accompanied by a one-day Oil-in-Produced Water Measurement Training Course. The registration fee is £450 plus VAT which incorporates attendance, refreshments and a printed set of course notes.

A 10 per cent discount is available for TUV NEL's Oil-in-Water Monitoring and Produced Water Club Members.

Oil-in-Water Monitoring Workshop - Thursday 18 September

09:00 – 09:30	Registration and Coffee	13:50 – 14:20	Measurement of Oil and Sand in Produced Water Using an Image Analysis Based Technique Tod Canty, J. M. Canty, Inc. - USA
09:30 – 09:40	Chairman's Welcome and Introduction Gordon Harvey, BP - UK	14:20 – 14:50	Field Operating Experience with a New, Maintenance Free, Online Oil in Water Analyser Arne Henriksen, StatoilHydro - Norway Darrell L. Gallup, Chevron Energy Technology Company - USA Dave Owens, Talisman Energy - UK Khalid Thabeth and Rik Dawson, Advanced Sensors Ltd - UK
09:40 – 10:10	Meeting the Challenges of Oil-in-Water Measurement Analysis Derek Bryce, SGS - UK	14:50 – 15:20	Coffee and Exhibition
10:10 – 10:40	A Fast, Solventless, "Green" Device and Method for Oil-in-Water Analysis Using Infrared Spectroscopy Dean Smith, Tyler Martin, Thomas Schwartz, Luke Doucette and Carl Tripp, OSS - USA	15:20 – 15:50	A New Mid-IR Laser Based Analyzer for Hydrocarbons in Water Bernhard Lendl, Vienna University of Technology - Austria Wolfgang Ritter, QuantaRed Technologies - Austria
10:40 – 11:10	Coffee and Exhibition	15:50 – 16:20	Oil-in-Water Monitoring Using Miniature Mass Spectrometry Stephen Taylor and Farnoush Salarzaei, University of Liverpool - UK
11:10 – 11:40	Automated Sample Preparation for Oil in Water Samples for GC/FID or FTIR Brett Holmes, Robert Johnson & Michael Ebitson, Horizon Technology, Inc. - USA	16:20 – 16:50	Open Discussion Period
11:40 – 12:10	Sample Preparation Methodology for Oil-in-Water Analysis by UV Fluorescence Dale F. Brost, Turner Designs Hydrocarbon Instruments, Inc - USA	16:50	Chairman's Closing Remarks
12:10 – 12:40	Open Discussion Period		
12:40 – 13:40	Lunch		
13:40 – 13:50	Chairman's Welcome and Introduction Angus Laurie, BERR - UK		

Oil-in-Produced Water Measurement Training Course - Wednesday 17 September

Introduction & Objectives

Oil-in-produced water measurement is important both for process control and reporting to the regulatory authorities.

This one-day training course aims to address the following:

- What is oil-in-produced water?
- Why is measurement of oil-in-produced water important?
- What standard analysis methods are available?
- Where and how should we take samples?
- What field measurement techniques are there?
- How can we accept a method that is different from the officially approved reference method?
- What are the things that we need to be careful of when we do a calibration?
- What is the future trend in oil-in-produced water analysis and measurement?

The course will enable delegates to gain a good understanding of the definition of oil-in-produced water, analysis and measurement methods available, issues related to method calibration, sampling and acceptance of non reference methods, as well as future oil-in-produced water measurement trend.

Who Should Attend?

- Production engineers and chemists
- Environmental engineers/advisers/officers
- Produced water management, treatment, handling specialists
- Process engineers and chemists
- Regulators, consultants and researchers

Course Instructor

Dr Ming Yang is a Principal Technical Consultant at TUV NEL. Ming has 16 years experience working on oil-in-water analysis, produced water handling and multiphase separation subject areas since he gained his PhD in Chemical Engineering. He was instrumental in launching two of TUV NEL's renowned Clubs: (Oil-in-Water Monitoring and Produced Water) which he still manages. Both Clubs have members from government bodies, oil and gas operators, equipment suppliers, and service and R&D organisations. He has also been technically responsible for 20 Oil-in-Water and Produced Water Workshops, Conferences and Seminars.

Ming has been carrying out many projects on the subject of oil-in-water and produced water and is one of two authors in drafting the DTI guidance notes on sampling and analysis of produced water and other hydrocarbon discharges.

Topics Covered

- Definition of oil-in-produced water, discharge limits
- Standard measurement methods
- Sampling and sample handling
- Field measurement methods
- Calibration, acceptance of alternative methods
- Future trend

Course Fee: £450 plus VAT

This includes refreshments and a set of course notes. Accommodation is not included.

Please tick the event(s) you will be attending

Oil-in-Produced Water Measurement Training Course

17 September 2008

Oil-in-Water Monitoring Workshop

18 September 2008

Full Name (inc. title) _____
Preferred Name for Badge _____
Job Title _____
Company _____
Address _____

Postcode _____ Country _____
Telephone _____
E-mail _____

We expect the event to be heavily subscribed. Places are strictly limited and are allocated on a first come, first served basis. Under UK excise regulations delegates from all countries are required to pay VAT at 17.5% on any conference/course taking place in the UK. Your place will be confirmed upon receipt of a completed booking form. If you do not receive within five working days please contact TUV NEL.

Method of Payment
(Payment must be received no later than the event date)

Workshop £450 + VAT Oil-in-Produced Water Measurement Training Course £450 + VAT
 Workshop & Oil-in-Produced Water Measurement Training Course £850 + VAT Club Member Discount (10%)

Visa Mastercard Amex Diners Card Start Date _____ Expiry Date _____

Card No _____ Security Code _____ (on back of card)

Card Holder's Name _____

Signature _____

Invoicing address _____

Company VAT number (EC member states only- COMPULSORY) _____

Where did you hear about this event? _____

Cancellation Policy
Any cancellations must be received in writing at least 14 days prior to the commencement of the event. A cancellation fee of 25% will be incurred. Once within this period the booking cannot be cancelled or any fees refunded, but a substitute delegate can be named at any time before the programme begins, provided that TUV NEL Ltd is notified in advance. TUV NEL Ltd reserves the right to cancel the event due to unforeseen circumstances. TUV NEL Ltd is not liable for any expenses incurred by the delegate. This programme may be subject to change due to circumstances beyond the control of the organisers.

Venue Details
Thistle Aberdeen Airport Hotel, Argyll Road, Aberdeen, AB21 0AF
Tel: +44 (0) 871 376 9001 Fax: : +44 (0) 871 376 9101
Email: AberdeenAirport@Thistle.co.uk Web: www.thistlehotels.com/aberdeenairport

Please complete and return this form to the Events Team,
Fax back on: **+44 (0) 1355 272999**

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Signed: _____ Date: _____