



How's your IQ? Information Quality that is!

Innovation has been one of the industry's buzz words in 2006. An UKWIR report 'Barriers to Innovation' concluded that there is, '...a lack of a coherent UK water industry 'system' to share the costs, benefits, risks and rewards of innovation.' One of the reports recommendations was that stakeholders should improve the water company-supplier interface for innovation. In response to this, the SBWWI has moved to create a new 'Innovation and Technology Group (ITG)' to supersede the old commercial section. Meeting three times a year, the ITG will seek to 'oil' the water company-supplier interface and interact with Water UK on innovation and standards...

It is frequently said that we are living in an information age; those with access to the latest information have the edge. In the UK water sector, the sheer volume of information generated by the many agencies and interest groups makes it difficult to keep abreast of what is going on. The SBWWI monitors and edits this information for the benefit of its members. Jo Parker MBE from new member, Watershed Associates, values the newsletters in particular describing it as, '... a comprehensive compendium of new developments in the water industry.'

Quantity is one issue – quality is another. The SBWWI has continued to run a full programme of visits to the major water companies and intends to broaden its scope in 2007 to include some of the smaller water-only companies. David Williams from new member Rehaus, says the minutes and associated documents from these meetings, '...give me exactly what I want. They are a superb source of information which would otherwise take days to collate.' SBWWI's 'Specialist Products and Services Group' will continue to further extend its programme of visits to major framework contractors.

The SBWWI continues to organise a series of seminars on water industry topics throughout the year: leakage, metering, wastewater to name just a few. The programme commenced again in February, with the Utilities Connections seminar taking place in February. Danielle Colligan from sewer rehabilitation systems specialist, Epros, lists the seminars as a major reason for her decision to join SBWWI: 'The seminars are very useful. Not only do

they provide up-to-date information, but they are a superb networking opportunity. Many of our clients are already SBWWI members and our memberships gives us the opportunity to work more closely on issues such as training and standards.' Issues such as multi-utility connections demand that the SBWWI develops strong cross market links with other utility trade associations, government agencies and legislators. Stuart Bickerdike of SDI-Unistrade identified the SBWWI's 'reputable links with all utility

Outsiders often view the water industry as a conservative monolith where little changes. In some aspects such cynics are right – the health aspects alone of water and wastewater services dictate that strategic developments are likely to be incremental rather than fundamental. In general terms however, as 2006 proved, the water sector is a vibrant marketplace with water companies, contractors, consultants, manufacturers and distributors all seeking to gain a competitive edge.

sectors' as the reason he decided to join. Ray Farrow of Rushden-based Technical and Development Services endorsed this viewpoint: 'I've witnessed at close hand the way the SBWWI has engaged with water industry stakeholders, building up relationships with key contacts. I work with many of the leading housebuilders and developers, and I value the clear and concise perspective which the SBWWI brings to the main issues facing the sector.'

The SBWWI is a broad church – and this eclecticism is one of its key advantages. In 2006 Lanes for Drains and Dyno-Rod strengthened the Society's expertise in drain inspection and repair activities; RPS Water and TDS contribute their consultancy and project management skills to the pot; and Site Electrical joins the long list of contractor members. According to Jim Lowe of Dyno-Rod, "The membership of the SBWWI offers the broadest mix of contractors, consultants and manufacturers serving the water industry. It's well organised and we have already benefited from liaison meetings with several UK water companies."

There is currently an on-going research project into the cost of regulation to the water industry supply chain and SBWWI members have been given the opportunity to contribute their thoughts on this subject. Keeping a tight control on costs is a key element in remaining competitive, a factor Martin Topps of valve manufacturer Aeon identified as an important reason for signing up. "The SBWWI is without doubt the best value-for-money trade association I know of. I look forward getting involved with the innovation and technical committees in the near future."

The vital importance of water as a natural resource has been splashed across the front pages of tabloids and broadsheets alike over the past twelve months. The pros and cons of metering have been hotly debated, and it seems likely that the United Kingdom will gradually move to a position of comprehensive water metering. The SBWWI is working with other bodies such as Defra, Waterwise and UKWIR to establish an intelligent metering and AMR (automatic meter reading) forum where technical issues and ideas can be discussed and exchanged.

The SBWWI looks forward to continuing to support its members' interests in 2007. Why not join us? Detailed information about the Society, including details of forthcoming events, can be found on our website: www.sbwwi.co.uk



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SBWWI

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Exec Director Report



Welcome to the 13th edition of the SBWWI Newsletter. Due to the number of articles that have been forwarded, an update from the Exec Director has not been included. However, despite this, I do hope you enjoy reading this packed edition!!

Kind regards

Cardy



OFWAT announced at the Utility Connections Seminar held on Tuesday 20 February at the Hilton Hotel Coventry, organised by SBWWI and SBGI that it would be reviewing the Guidance on company self-pay policies during 2007. This would also include a review of the financial guidance.

Pauline Amor, acting Head of Disputes and Complaints, outlined the background to the self-pay guidance and provided feedback from Ofwat findings of a Review of the Market, undertaken in 2006, which surveyed the views of the key stakeholders.

Findings of that review will be taken into consideration in the Ofwat review of competition within the water industry generally.

The outcome of the 2006 Review of the Market is due to be published shortly and will be available to download from the **Ofwat website** : www.ofwat.gsi.gov.uk

Industry consultations to be aware of...

- DEFRA:** **Water metering in areas of water stress**
www.defra.gov.uk/corporate/consult/water-metering
- EA:** **Identifying areas of water stress**
www.environment-agency.gov.uk/publications
- DTI:** **Water Efficiency in New Buildings**
www.communities.gov.uk/index.asp?id=1505175



Sustainable water management to top the bill at IWEX

With this year's IWEX (1-3 May) fast approaching the main elements of what promises to be an informative and thought provoking programme are now in place.

Building on growing concerns about our impact on the natural environment, the theme for the conference programme at IWEX in 2007 is Sustainable Water Management. Co-hosted by the Environmental Industries Commission it will feature speakers such as Sir John Harman - Environment Agency, Pamela Taylor - Water UK, Helen Twelves - Ofwat, George Day, Ofwat, Tony Smith - Consumer Council for Water, Jacob Tompkins - Waterwise, Stuart Ballinger - Envirowise and Chris Williams - Hydro International.

In addition to the conference programme, a series of free seminars will run across all three days of the IWEX event. Already confirmed are sessions on Water Efficiency for Businesses, hosted by Envirowise; Cost effective Use of Trenchless Technology, hosted by TT-UK; Water Resource Efficiency and its Implications, hosted by NISP; Energy Saving Steps for Water Operators, hosted by ABB; Barriers to Innovation in the UK Water Industry, hosted by British Water and UKWIR with PREST and Implementing Risk Management in the Utility Sectors, hosted by Cranfield University. On the Thursday there are also a series of sessions around skills and training in the water, waste, gas and electricity industries.

Organised by Faversham House Group and taking place at the NEC in Birmingham, this year's IWEX forms part of Sustainabilitylive! - the UK's largest forum for excellence and innovation in water, environment, land and energy. For the first time, IWEX will co-locate with ET&ES - the Environmental Technology and Services Exhibitions, Nemex - National Energy Management Exhibition, and ICU - the International Clean-Up event tackling the issues of contaminated land, remediation and regeneration.

For up-to-date news on exhibitors, the features programme and to register for free attendance, please visit: www.iwex.co.uk or call +44 (0)208 651 7140.



A good Show...AND it didn't even rain. Since the No-Dig series went live some 15 years ago in the open air (Westrade having

launched the title back in London in 1985, first in covered halls), 2006 was at last blessed with three open days of dry weather that tempted out a record audience of 2360 to the superb facilities that Stoneleigh offers this type of outside and covered focused trade show.

No-Dig Live's popularity with the Industry would appear safe and well in its current format. Yes, we would all like to see more engineers attend as part of the ongoing need to keep abreast of the Suppliers' expertise in producing goods and services that make for a better environment and utility infrastructure. But those that came were rewarded with a great opportunity to see a lot of both static and demonstrated equipment in one place, at one time. This has to be one of the most efficient uses of that time that all employers should take on board.

First, some statistics. Of the numbers who attended, 43% were senior management, 13% project management, 19% ticked the engineers box, 3% consultants, with utility procurement and administration making up the bulk of the balance. As you might expect, the vast majority came from the UK but there were delegations from Hungary, Ireland, France and Germany with smaller numbers coming in from Spain, Italy, Belgium, India, Pakistan, Algeria, Iran, Malaysia, Singapore, South Africa and the USA.

Industry segments numbered 40% water, 6.5% gas, 1.5% electricity, 1.5% oil & gas, 1% telecommunications. However, 16% ticked the contractor box and 14%, the central/local government box, whose activities no doubt spanned the other categories.

A total 73 stands were presented at the Event which embraced some 100 companies, represented by the local agents for a worldwide spread of technology.

Further details can be found from www.westrade.co.uk

energy&utilityskills

Welcomes Leitch Review

EU Skills welcomes the publication of the Leitch Review of Skills, which highlights the importance of skills provision for the future of international competitiveness.

Each SSC is licensed by the government to help employers, (with union representation), ensure that investment in skills by both employers and government meets the future skills needs of its own sector.

EU Skills notes Lord Leitch's comments on the work already undertaken by SSCs in addressing skills issues and, although there is much yet to be achieved, it is working with employers to develop plans to meet future skills needs. EU Skills also welcomes Leitch's commitment to Apprenticeships and commented that apprenticeships are a very practical way to up-skill workforces.

Apprenticeships can bring major benefits to businesses, including increased productivity, improved quality of work, greater competitiveness, increased staff retention and improved staff morale.

Report identifies industry skills needs

EU Skills has completed stages one and two of its five stage Sector Skills Agreement (SSA) on behalf of this sector and is now heavily involved in the third stage.

Stages one and two have involved extensive research with employers and stakeholders to ascertain their views of present and future labour and skills needs and to establish information on the quality and availability of training provision to fulfil these needs.

This information has provided EU Skills with the necessary factual evidence to identify the priorities emerging from the research and then to begin developing potential solutions to fill skills gaps and to create a programme of action.

For the water industry the priority issues emerging from the SSA research have been identified as a need for new competency frameworks, sustainable recruitment policies and sustainable training provision. Broadly these three issues will combine to create a sustainable workforce.

Competency frameworks are seen as necessary to expand and extend current standards and qualifications to facilitate cross functional working, providing significant economic benefits to employers through maximisation of workforce capabilities. A proposed new framework has already been developed by EU Skills, Water UK and the Drinking Water Inspectorate based on National Occupational Standards to be more suited to the needs of the individual employers. Consultation on the new framework is underway to ratify and modify this suite of agreements as appropriate.

Sustainable recruitment recognises that there is an aging profile in the industry which requires targeted recruitment programmes to replace those retiring. At the same time, the market for higher skill level recruitment is increasingly competitive and EU Skills is preparing school management models and a water higher education academy to meet the recruitment criteria.

To provide support for the proposed frameworks and to generate personal development opportunities for recruits, equally requires sustainable training provision. Assessment of needs and harmonisation of provision will deliver significant savings and give rise to improvement in training and career structures.

New agreement for competency frameworks

A new framework has been developed for the accreditation of competent operators on water treatment works. EU Skills has worked closely with Water UK and the Drinking Water Inspectorate to create a suite of co-ordinated agreements which take into account the diverse needs of individual employers.

The new framework is based on National Occupational Standards but recognises that many of the utility contracting organisations are keen to expand and extend currently existing standards and qualifications to facilitate cross-functional working.

Working with Water UK Council EU Skills has now established a steering group to develop a template for this qualifications framework, with EU Skills responsible for monitoring training provision to ensure operators are properly skilled and qualified as part of its Sector Qualifications Strategy (SQS), which in itself is a key element of the Sector Skills Agreement (SSA).

EU Skills is working closely with the gas industry, and the other utilities to develop training and qualifications frameworks with a modular approach. This offers significant benefits through maximisation of workforce capabilities with the larger 'core' module common to all utility sector schemes and additional modules covering specific requirements such as hygiene and disinfection.

EU Skills is already running a pilot scheme with Scottish Water to ratify the endorsement procedure. This will ensure the new framework of industry standards will combine a National Skills Register and individual 'license to operate' requirements. Implementation of this suite of agreements will offer the most cost effective method for water companies and their supply chain to ensure that all activities are only carried out by safe and competent operatives.

For further information please contact EU Skills
Friars Gate Two 1011 Stratford Road Shirley Solihull B90 4BN
t: 0845 077 9922 f: 0845 077 9933 www.euskills.co.uk

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CABWI is delighted to confirm that the following four NVQs are now available for candidates who carry out mainlaying and servelaying activities on the water network: **Network Construction Operations (Water) Level 1; Network Construction Operations: Mainlaying (Water) Level 2; Network Construction Operations: Servelaying (Water) Level 2; and Network Construction Operations (Water) Level 3.**

The NVQs are accredited until 31 December 2010, and cover the activities undertaken by water mainlayers and servelayers as assistant construction operatives (Level 1), construction operatives (Level 2) and construction supervisors (Level 3) on the water network infrastructure.

The awards represent the first significant NVQ development for the water industry since 2001, and update and extend previous NVQ provision in this area. The qualifications are

delivered through CABWI approved NVQ assessment centres. Candidates registered with CABWI for the Network Construction Operations (Water) NVQs are also eligible to register on the EU Skills Register and may be used to provide evidence of employee competence to the Lloyds Register for self lay contractors.

Following extensive national occupational standards revisions last year, CABWI is updating and extending its suite of water industry S/NVQs, and new awards are in development to cover Leakage Detection (Level 2), Leakage Control (Level 3), Sewerage Maintenance (Levels 1 and 2), Water Fittings Regulations/Water Byelaws Enforcement (Level 3), Monitoring the Water Environment (Level 2), Water, Waste Water and Sludge Treatment Operations (3 awards at Level 2) and Managing and Controlling Treatment Processes (2 awards at Level 3). New VRQs are also in production for staff working in confined spaces in the water industry, and should be available to the industry in summer 2007.

For further information on the above please contact CABWI Awarding Body on 020 7957 4523, or contact us via e-mail (enquiries@cabwi.co.uk or victoria.partington@cabwi.co.uk).

UKWIR WR25 series of projects have information on water efficiency projects.

Essex and Suffolk: Thurrock Home surveys project - self-audited project involving 9,000 homes. Water Saving Toolkit project - allows customer selection based in 'credits' system, a combination of self-audit and visit-and-fix.

Mid Kent: Metering trial and variable tariffs in 250 new homes in Ashford. 50 homes are used as control, and 200 others fitted with a range of water efficiency measures.

Severn Trent: Domestic visit-and-fix programme for 1,200 houses and a schools water efficiency project with auditing and fitting for 50 schools.

Southern: Large-scale toilet-retrofitting project of a complete area of Sussex (60,000 homes: funded by Ofwat in PR05). Four retrofit devices are currently being piloted in 3,000 homes.

South West: Water efficiency trials based on a 'visit-and-fix' package to 500 metered homes, involving refitting toilets, showers and other appliances, depending on customer request.

Sutton and East Surrey: Social housing domestic project, involving retrofitting of 200 homes, financial incentives for a further 150 households, an education programme, and a rainwater harvesting project.

Thames Water: Business Liquid Assets - audits and starter packs to selected schools, local authority sites and hospitals. Domestic Liquid Assets - a 'visit and fix' package to 500 houses in Swindon and 500 in Bromley.

United Utilities: Shower project in conjunction with Liverpool John Moore's University, looking at shower systems, performance and customer perceptions.

Yorkshire: Domestic programme in around 500 homes, involving toilet retrofits.

Anglian: Metering of 38,000 properties in Ipswich and sampling 1,000 of these properties to assess the cost/benefits of retrofitting.

waterwise

UK Water Companies Push Water Efficiency

As part of its work for the Water Saving Group, Waterwise is collating and analysing the UK information base on water efficiency.

All UK water companies carry out baseline water efficiency activity with community groups, schools, businesses and others, in addition they have undertaken a wide range of pilot and research projects addressing different aspects of water efficiency. But whilst the range of projects has been broad, a lack of large scale resources has meant that the projects have lacked depth. In practice this has meant that projects have been scale projects with insufficient sample size to be statistical significant.

However, in the past year there has been a dramatic increase in water efficiency activity. All companies have increased their baseline activity, there has been a lot more sharing of data and information, and most notably almost all companies have commenced or are planning large scale statistically significant water efficiency pilots and programmes. The combined outputs of these projects should provide a solid base from which to determine the economics of water efficiency in the run up to the next Periodic Review in England and Wales and the Scottish and NI price determinations.

Below is a short summary, it is not comprehensive and has been produced to give a general overview of the type and scope of current projects. Waterwise and Water UK will be producing a more detailed report in the next few months. In addition the

and profitability through the development of its current and future leaders.

Tim Balcon, the incoming President of IWO and Chief Executive of Energy & Utility Skills will chair this years Conference:

'Delegates will not leave this conference without questioning perceptions about what a good leader should do and recognise the growing need for the UK to address management and leadership skills shortfall. If you value your career development you need attend, if you value your business development you need attend!'

The IWO Conference is renowned for its full and exciting social programme which gives delegates the opportunity to relax together over three nights. The fifth annual Business Skills Awards for the Water Industry 2007 will be presented in a prestigious ceremony at the IWO President's Dinner, sponsored by Uponor Ltd.

To reserve your place at this year's conference contact Lyndsey Campbell on 0191 422 0088, visit www.iwo.org.uk or e-mail: lyndsey@iwo.org.uk

IWO LEADERSHIP FOR A SUSTAINABLE WATER INDUSTRY

The IWO Annual Conference and Exhibition 2007 is to be held at the Nottingham Albert Hall from 29 - 31 March.

The theme 'Leadership for a Sustainable Water Industry' will inspire individuals and organisations to review and develop leadership skills within the water industry. The conference is intended for anyone who is in a leadership position. It is also aimed at those who aspire to be a leader through their own career development and will provide a forum to share best practice, encourage lively debates and challenge current thinking as well as being both controversial and inspirational.

70% of the current workforce will still be within the workforce in 2020 and the need to develop future leaders has never been more apparent. This conference will address the management and leadership skills needed to improve market share, customer perception



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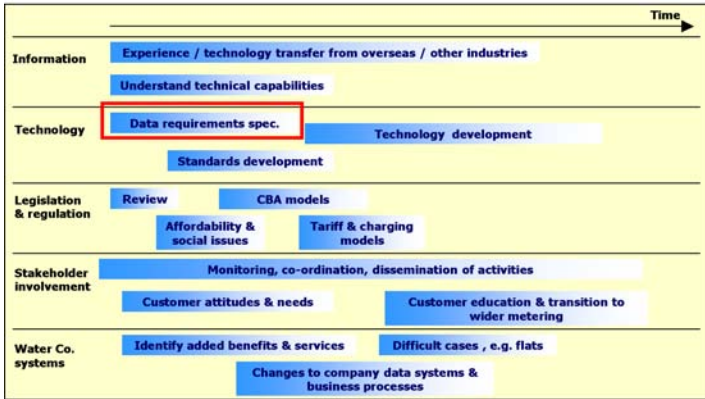
intelligent metering workshop

The SBWWI Meter Manufacturers Group sponsored a challenging Workshop on Intelligent Metering on November 28 last year, immediately preceding the Leakage Conference. Well-attended, the Workshop was the second in a series launched earlier in the year at a seminar held at the House of Commons. During the latter part of 2006, the Meter Manufacturers Group had discussed in some detail the merits of the Workshops, aimed at encouraging water industry stakeholders to clarify their requirements for data that could be generated from metering systems. If a consensus could be reached on a set of data, the manufacturers would have a clearer picture of the sophistication they need to provide in their metering products and a more assured market size.

George Archibald, Information and Performance Services Ltd, workshop chairman, and Dene Marshallsay of WRC made presentations and led the discussion session. There was general agreement from the 30 attendees on the value of achieving a consensus on data requirements from Intelligent Metering but recognition of the difficulties that lay ahead in trying to establish one.

WRC have completed discussions with industry stakeholders on a roadmap for the development of metering and the outline was presented by Dene Marshallsay.

Intelligent metering roadmap



The industry is at an early stage on this journey. The metering technology manufacturers have produced or at least prototyped equipment with all the functionality that the industry could require but the cost is seen as too high for the industry to absorb. While there are expressions of interest in the application of the technology from regulators, Government, customer representatives and the water companies there is no commitment to supporting widespread introduction. The road map identifies key stages that will have to be completed if an intelligent metering infrastructure is to be established. The collection of the information that will be essential for policy changes will require significant pilot installation projects.

Developments in the water industry in the use of more advanced technology metering have given the water companies access to much more data than ever before. However access to more data does not necessarily mean the industry is better informed. The challenge is for the stakeholders to identify the critical statistics they need to achieve industry goals and for the equipment to be designed for this purpose at an acceptable price.

The possibility of joint developments with the energy utilities and the home automation sector were considered. The SBWWI Meter Manufacturers are already close to the developments in Intelligent Metering for the energy utilities and the opportunity for knowledge transfer and possible combined technologies needs further discussion.

This push for progress in the development and application of Intelligent Metering through the workshops needs to keep its momentum and the SBWWI Meter Manufacturers Group will maintain involvement. A third workshop is being organised for Spring this year.

meter manufacturers group



Carol Hickman

The Meter Manufacturers Group met last on 1 February 2007, and discussions took place on the outcome of the Intelligent Metering Workshop held in November 2006; the production of a Group statement for inclusion in the SBWWI responses to the various consultations that had recently been released; raising the profile of the Group and its members with Ofwat and Water UK via the scheduled liaison meetings; and interaction with other industry groups involved in metering.

It was agreed that the 2006 metering workshop had worked well, with a good cross-section of companies/utilities attending with much debate, particularly surrounding the draft data requirements specification issued at the workshop by George Archibald, and the intelligent metering roadmap presented by Dene Marshallsay, WRC. (A full report of the workshop is shown on Page 4 of this publication).

Further workshops are yet to be identified for 2007, however, the group agreed that a half-day metering update/workshop would be organised on the afternoon prior to the Leakage Seminar (DATE TBC) to possibly include details about the WFD/MID requirements and input from NWML (National Weights & Measurement Laboratory). The group are considering the production of a 'guide/briefing document' on the MID to make the requirements more easily understandable. The Meter Manufacturers will be represented at the meetings with Ofwat and Water UK, to ensure that the group's views are heard and to highlight the technology in advanced meter reading devices that exists, to provide more accurate, long-term sustainability for the industry as a whole. The Group confirmed that it would be supportive of the development of a national forum (AMR Group) for data provision for the UK and NI water industry. The next meeting will take place on Wednesday 25 April 2007.

export working group



Dan Penney

The five-year regulatory price reviews for UK plc's, generate challenging efficiency targets for the water companies.....these targets focus a huge attention on technical and supply chain innovation. However, supply chain innovation holds no boundaries and SBWWI boasts a not insignificant group of companies that have a much wider, global remit.

The SBWWI Export Working Group meets on an ad-hoc basis and also through an effective electronic network. Information gathered from various sources, including details received from the Regional Secretaries, on overseas projects, inward/outward missions and other potential member opportunities, is circulated via the weekly Export E-Newsletter which provides all the relevant contact details needed to take advantage of potential projects and markets worldwide. The notification allows members to quickly scan through the information and to pick out any particular topics they are interested in following up.

The group also uses the experiences of fellow members to share information and experiences whilst utilising and developing strong industry and governmental contacts to help promote UK exports in the Water & Wastewater sector. During 2007 and beyond, the Export Working Group will continue to help all members explore some of the major geographical markets around the world.

LEAKAGE



Steve Leigh
Chairman –
Leakage Group

Economic levels of leakage – or political suicide: Debate



Ken Maddison
Seminar
Chairman

Perhaps in this last year there has been more of a spotlight on leakage from water mains than at any other time in the last thirty years – remember that long hot summer of '76? What has changed over those 30 years is essentially that public perception of what was acceptable then in terms

of leakage from water mains is now no longer the case.

The Society is by definition, composed of members who are dedicated to providing the solutions to the ailments of the UK Water Industry.

The Leakage working party consists of a number of practitioners in this field representing the Society, our main function being to provide a channel through which dialogue can take place with those organisation that need our services.

Our most visible activity has over the last few years being the annual conferences, including the 2006 event, focussing on the "Economic Levels of Leakage" or ELL as defined by the water industry itself.

During 2006, the press viewed the UK water industry as "fair game" and usually in the negative sense as "bad news sells best", but according to Steve Hobson editor of Utility Week "sex also sells", so perhaps the water industry needs to get a few more sexy stories to help promote itself!! However, there are some very positive stories to be told by the water industry, usually involving society members, in reducing if not eliminating water leakage. Whilst these may not be Page Three images, the companies who are achieving good results need to be congratulated.

The most recent manifestation of the efforts of the Leakage Working Group was the conference at the University of Warwick in

late November 2006, where we took a long look at what were "economic" levels of leakage and sought to relate this to the gas industry where leakage is virtually non-existent, yet the materials used are identical.

The conference was told that by taking steps to meet the latest design criteria (home zones, secure by design etc) and ensuring that the quality of work is done correctly first time, every time, by competent and qualified operators, there should be significant savings in both capital and operational expenditure for the water company.

In addition, with operational costs looking to become a greater burden, particularly with the further implementation of the new Traffic Management Act, and potentially higher charges for non compliance, the need to remove street furniture will become more important in defining the layout of utility apparatus.



Other factors considered during the Seminar, were the implementation of compulsory water meters and the roll out of water meter technology such as "smart" meters, off peak water metering and other innovative initiatives, all of which involve members of SBWWI.

The feedback from participants at the conference indicated that perhaps we have struck a rich vein of debate, particularly with the further implementation of the Traffic Management Act (also debated in 2005) and other legislative requirements.

These comments will form part of the framework for the 2007 programme of events, which we hope will include other working parties such as the Metering Group and organisations such as OFWAT and Water UK.

ADVANCE NOTIFICATION - LEAKAGE SEMINAR 'INTEGRATED SOLUTIONS' MONDAY 10 & TUESDAY 11 DECEMBER 2007 SCARMAN HOUSE, WARWICK UNIVERSITY

Building on from the format of the 2006 seminar, SBWWI is pleased to announce a similar event for 2007. Commencing with a half-day forum to discuss/debate metering issues, the first day will once again close with an informal evening meal, providing excellent networking opportunities and the chance to discuss the days proceedings. The second day will focus on the continuing issue of leakage and the solutions available to tackle this on-going challenge. Delegates will have the opportunity to network with other like-minded colleagues and visit the exhibition area throughout the day.

A Call for Papers will be issued shortly but the organising committee would be happy to receive expressions of interest from potential speakers. In addition, initial enquiries for sponsorship and exhibition take up can be made via the Secretariat on 01926 831530.

Close links have been forged and developed with UK Trade and Investment, and other bodies who can assist in developing export opportunities, and regular notifications on upcoming events and missions are received via the Water Network email, established by UKT&I. This information is incorporated into the weekly electronic Export newsletter.

A number of member companies participated on the 2006 Commercial Officers visit to the UK and found the opportunities to discuss their company activities face to face with the delegates of immense help and assistance. The organisation and support provided by UKT&I was first class. SBWWI members are keen to work closely again with UKT&I in establishing an interesting and informative programme for the planned Commercial Officers visit in June 2007, when Hungary, Poland, Romania, Bulgaria, Turkey and China will be represented.

For the future, SBWWI members look forward to working with UKT&I to identify further opportunities in some of the emerging markets such as the Northern Baltic States, Estonia, Lithuania, etc., and Bulgaria, as well as building on the foundations already established in overseas trade.

"It is our aim during 2007 to build on the solid foundation of the SBWWI to grow the activity and reach of the association. The SBWWI Export Group will continue to support members with accurate, timely and relevant information about overseas markets. The association looks forward to welcoming new members from those highly experienced in export operations to those who are thinking about exporting for the first time, all are welcome." Dan Penney, Export Group Chairman.

If you are interested in joining any become involved, then please contact

SBWWI Wastewater Seminar

17 May 2006, Leeds

PART I



John Beech
Chairman –
Wastewater Group

Two seminars on the theme, "How's Cinders doing... model delivery?" were held by SBWWI in 2006 to look at the experiences and challenges within the UK water industry one year into the AMP4 period. The first seminar, at the Royal Armouries in Leeds, attracted over 80 delegates from all sides of the

industry, and was an opportunity for a frank exchange of views.

After an introduction by Chairman **Alan Payne** of Severn Trent Water, who said that he was already looking towards the AMP5 submissions in two years' time, **Alan Scott** of Scottish Water outlined what his organisation had learned from the Q&S II (Quality & Standards Period II) delivery model. He suggested that the partnering arrangements required the accountability of project managers and all those in the supply chain to be built into the model. During Q&S III, from 2006-2010, the budget is £2.15 billion and will be biased towards water quality improvements. The wastewater rehabilitation programme will be only about half the size of the last few years.



Ian Ballentine from Thames Water described how different models were used for projects of various types and scales, using 22 performance partners in five primary capital delivery areas.

He emphasised the need for more openness and for integrated teams where skills could be shared.

The theme was continued by **Paul Goddard** of Severn Trent Water who said that contractors wanted a clear programme of work and more regionalisation so they could establish sub-offices and reduce travelling. Although his company had not found the need to change much from AMP3, there were some problems with resource shortages, land and planning issues and power supplies.

Peter Flitcroft (Balfour Beatty) and **Tim Caven** (United Utilities) described how an integrated management structure had delivered several key targets, including the reduction of leakage turnaround times from 14 days to 5, but that cultural differences had been underestimated. The need for change must be communicated from the top down, with clear responsibilities defined at an early stage.

A cautionary note was sounded by **Mark Roper** of Peter Duffy Ltd who are some way down the supply chain. Although welcoming the benefits of longer term relationships, he pointed out that the AMP4 bidding process had been expensive and disruptive, a greater level of trust was required, and that continuity of work was still an unattained goal. A point was also made regarding the continuing

process by many companies of designing in the Summer for work to be undertaken in the Winter months, when there was less light and more extreme weather conditions to contend with.



Yorkshire Water's **Andrew Calvert** explained his company's R&D strategies, and how there was a need to predict future standards and take a degree of measured risk. He was followed by **Bill Gowdy** of Northern Ireland Water, who described the Belfast Sewers Project involving over 9 km of tunnels up to 4 metres diameter, together with a major pumping station 36 metres in diameter and 37 metres deep. The £94 million, three year project starts on site this summer.

Dec Downey of Jason Consultants remarked that the British invented many trenchless technologies – microtunnelling, CIPP, pipebursting, swage lining, muling – but other countries have made more use of them. The UK market is just 10% of the EU total, and at the current rate it will take 1000 years to replace or renovate the nation's sewers. The US is spending \$2.5 billion on rehabilitation schemes, and violations of the Clean Water Act cost companies \$1 per gallon for each incident. He referred to the infrastructure renovation programmes in Japan, Singapore and Hong Kong, and also some of the limitations of current technology.

Iain Naismith of WRc then reported on "Sewer for Adoption 6th Edition", published in March 2006, which now incorporates elements of the Defra protocol aimed at encouraging the construction of all sewers to adoptable standards. One significant new feature is the facility to offer some lateral and private drains for adoption.



Overall the seminar provided a worthwhile insight into the experiences of water companies, contractors and suppliers who are endeavouring to achieve greater efficiency in a contractual environment which has changed beyond recognition over the last decade. Unfortunately both Ofwat and Defra were notably absent, but it is to be hoped that the concerns of those who have to make the system work will get through to them in time for the next periodic review.

More work needed on supply chain

12 October 2006, Oxford

PART II

The event was a follow-up to a seminar organised by SBWWI in May 2006, and presented an excellent opportunity for representatives of water companies, consultants and contractors to describe their experiences and strategies towards the current Review Period in the UK water industry, including their procurement procedures and the benefits of partnership arrangements compared with the confrontational attitudes of old.



After an introduction by the Chairman, **Martin Kane** of Severn Trent Water, **Russell Wallis** of Thames Water outlined the benefits and challenges of partnering arrangements within his organisation, commenting that there

is great competition for skills in the London area, and that partners must demonstrate high standards of performance. He described it as 'alliancing with a competitive edge'.

Paul Goddard then described the procedures used in Severn Trent Water, and remarked that more consultancy work was now being carried out in-house. This was followed by a personal reflection on AMP4 by **Richard Fraser** of Enterprise, who commented on the good, the bad and the unbelievable. On the plus side, the new arrangements promoted transparency and flexibility, but clients were still asking for partners when what they really wanted were contractors. He also remarked on the lack of continuity between procurement and operations, and the deviations from agreed timescales and methodology.

Scott Motley of EC Harris reported on research into the water companies' delivery models, and said that more work was needed on operations involvement, integrated risk management and external benchmarking. Experiences of partnering with consultants were described by **Mike Hutson** of Yorkshire Water, who emphasised the need for co-location, clear formal processes and agreement on priorities.

Paul Hayward relayed some of the concerns of lower-tier contractors and suppliers, many of whom felt that main contractors were not extending the principles



of partnering further down the supply chain. He also recommended trade associations such as SBWWI as a vehicle for discussing these issues with clients and top-tier companies.

After an excellent lunch, **David Smoker** of St Gobain Pipelines described some of the new developments in ductile iron pipe technology, including their use in directional drilling and pipebursting. **Bradley Bates** explained Defra's current position on the maintenance of private sewers and drains, whilst **Iain Naismith** of WRc outlined the changes in the 6th Edition of Sewers for Adoption, including the provision for laterals to be adopted.

Paul Hayward then gave a brief résumé of some new developments in pipeline renovation, including UV-cure and tight-fit liners for infiltration sealing, followed by **Paul Clisham** of Daniel Contractors who discussed the design and construction of



marine outfalls. The final presentation was by **Oberon Praties** of Develop, who explained the role of training in achieving regulatory compliance.

Summing up, **Martin Kane** remarked that the cost of adopting private sewers could be higher than some people thought, and that maintenance expenditure could be affected by this. He said that sewerage maintenance was still underfunded, with capital programmes indicating life expectancies of 300 years or more, because not enough people were directly affected. He suggested that the industry should get 7/10 for its AMP4 performance to date, but that there was a need to address supply chain issues, especially with regard to smaller companies who should be involved more in the partnering arrangements. More clarity of purpose was demanded from the client, and there were clearly some issues that had yet to be addressed.

ADVANCE NOTIFICATION - WASTEWATER SEMINAR
'INNOVATION & SUSTAINABILITY'... COMING TO YOU IN JULY 2007
AT A VENUE NEAR COVENTRY...

A topical seminar, covering sewerage infrastructure issues including flooding, infiltration, climate change and SUDs, and the potential solutions provided by the supply chain. This seminar will not only offer delegates the opportunity to hear from a number of water companies and their partners on best practice, but also observe a number of practical demonstrations throughout the day in the exhibition area.

A Call for Papers will be issued shortly but the organising committee would be happy to receive expressions of interest from potential speakers. In addition, initial enquiries for sponsorship and exhibition take up can be made via the Secretariat on 01926 831530.

specialist products & services group



Carl Millington

The SP&SG group has continued with its main activity of contractor liaison meetings, which have proved to be very successful and of great benefit to the specialist suppliers as they navigate their way through the supply chain. These included visits to Barhale at the end of 2005, followed by meetings in 2006 with Achilles, Fusion Provida and Enterprise. Yet again we have seen the differing approaches taken by the major contractors in the way in which they organise and work with their supply chains.

The next liaison meeting is with Morgan Est in January 2007 and we are currently putting together a meeting schedule with member and non-member contractors that will keep us busy throughout the coming year.

As we have highlighted before, these liaisons have provided real opportunities for the smaller businesses to raise their profile and develop relationships with senior directors and managers.

During the year we have been joined by new additions to the group and we currently have a core of around 12 members of which at least 6 attend quarterly meetings and contractor liaisons. We are also looking to put together a contractor database that will detail what contractors are working with which water companies and this should be a useful tool for our members.

health & safety group



Gordon Lyon

Only in its second year and already the SBWWI Health and Safety working group is already achieving its goals and setting new ones. When originally established its aim was "to offer support, assistance and encouragement to those member companies who may not have the necessary H&S resource or expertise to carry out this function competitively. The group will use its strengths to shape and influence key decision makers within the HSE and industry organizations, to improve the reputation of the water industry".

The group is establishing a database of training companies for use by its members; a regular update of accidents, incidents and near misses that members report anonymously and has scheduled for 2007 a series of seminars and training sessions on subjects such as the new CDM regs and Roped access.

So successful has the working group been in promoting Health and Safety within the SBWWI that the management of SBWWI have now asked for its remit to be expanded to include Environmental and Quality issues. Members of the Working Group are keen to have the opportunity to develop further their skills and knowledge in these new areas.



Barriers to innovation

The objective of this UKWIR project, undertaken in 2006, was to identify if enablers and barriers

to innovation existed within the UK water industry and if so, to explore their nature. The project focused specifically on technological innovation – i.e. the application of new technological products and processes.

Within the limits of the evidence the project concluded there was a misalignment of expectations between the supply-chain, the water companies, the regulators and government which is limiting the sector's ability to fully exploit its capacity for technological innovation to sustainably meet the future needs and challenges of UK and world markets.

The consensus reached was that a

collaborative innovation strategy for the UK water industry should be developed with all key stakeholders to consider the outcomes from the research and provide an aligned multi-stakeholder vision, strategy and implementation plan for the industry's innovation needs and priorities.

Regulatory cycle

Driving innovation was one of the issues addressed in a recently launched UKWIR project The Regulatory Cycle and its Impact on the Efficiency of the Supply Chain. It is in collaboration with British Water, SBWWI and Ofwat and managed for UKWIR by **Richard Kirby** with Severn Trent Water's **Frank Grimshaw** as Client Manager.

The objectives of the project are to:

- examine and quantify the effect of the current patterns associated with the regulatory cycle on suppliers, and on resulting costs, efficiency and timeliness of

- delivery of required outputs
- identify the different levels of impact on the fluctuations in the capital programme
- develop proposals to achieve a more efficient delivery of the programme.

Martin Hall – Project Manager, emphasised the need keep "an open mind" about the solutions which might imply a change in the procurement process but could equally suggest changes within the current regulatory process. Potential solutions will be evaluated for their impact on the whole investment process. Any changes should be beneficial to the supply chain, water companies and regulators as well as customers.

The project aims to provide clearer evidence on the issues and a forthcoming workshop will be held in spring 2007 to disseminate the findings in time for PR09 deliberations.

More detailed information can be obtained from the UKWIR website:
<http://www.ukwir.org/site/web/content/home>

Developments in Buried Service Mapping

Jo Parker – Watershed Associates

Geographical Information Systems have transformed the ways that water companies keep the information about their own pipelines. However not all of the other utilities have transferred to digital systems and the accuracy of legacy information cannot be guaranteed. Identifying buried apparatus can be problematical and the only way to be certain of what is under the surface is to dig a trial hole. Research to improve how we collect, exchange and display buried asset information has been carried on through a number of different projects, with UK Water Industry Research taking a leading part in all of them.

Mapping The Underworld is a programme of 5 different projects all looking at aspects of this problem and funded by the Engineering and Physical Sciences Research Council (EPSRC). One project looks to develop new technology which will be combined in to a location tool combining several different

systems. Two further projects, one looking at new satellite technology to capture information and another looking at how information can be integrated and displayed are further developed with funding from the DTI under the VISTA project. The fourth project is looking at developing low cost labels which can be interrogated from the surface to give additional information about what lies below. The fifth project is funding a series of seminars to disseminate the research outputs and identify further research. A report of the first seminar held last April should be published by UKWIR shortly as well as a general progress report.

In addition to this research further work has been undertaken by the National Underground Assets Group (NUAG) to identify current practice for the collection and storage of records and develop proposals for new buried asset information under the Traffic Management Act. A report has been published by UKWIR detailing the results of the initial work. Other work is being carried out by UKWIR to investigate the feasibility of using GPR in sewers to map the services in ground above the sewers. A project is also looking at the feasibility of developing pipes which use nano and micro technology to provide information on their performance and integrity.

Further information can be obtained from the following web sites: www.ukwir.org.uk www.mappingtheunderworld.ac.uk www.vistadtiproject.org www.nuag.org.uk

member news



Innovative new digital remote display unit

Actaris launches new digital remote display unit to display accumulated pulses and allow reliable reading of consumption without obtaining direct access to the meter.

Innovative, the new display incorporates Super Twist Nematic (STN), liquid crystal display to give clear readings and has the facility to display additional information to the reader (tamper alarms, consumption alarms and leakage alarms). Innovative, programming of the incoming pulse weight, alarms and index display are all performed via infra-red communication. Fully programmable, the reader can be installed to both new and existing installations. The reader is easily connected via quick IP68 connections and its tough and durable construction is fully encapsulated within IP67 protection.

For further information Tel: 0161 865 1181 or visit www.actaris.com



Innovative, and with properties to perform in the harshest conditions

Saint-Gobain Pipelines' PAM Directional ductile iron pipe challenges the common perception that ductile iron is too heavy or inflexible for use in directional drilling and pipe bursting. It provides a simple solution that has been used by designers and contractors in a wide range of water and sewer applications in Europe over the past 10 years.



Available in diameters from 100mm to 700mm, PAM Directional offers a single solution for all ground conditions.

Combining strength with high safety factors, PAM Directional delivers a low risk answer even in unpredictable ground conditions.

Developed in Germany using the experience and expertise of Saint-Gobain Pipelines, PAM Directional draws on all the qualities of ductile iron, allowing pipelines to be laid with ease in even the most difficult and inconvenient conditions.

Strong and easy to install, PAM Directional is highly effective – time after time, it has proved to be the only pipeline product with the properties to perform to the required standard in challenging conditions presented by complex projects.

Saint Gobain: Lows Lane, Stanton-by-Dale, Ilkeston, Derbyshire DE7 4QU
Tel: 0115 930 5000 Fax: 0115 932 9513
Main contact: David Smoker
david.smoker@saint-gobain.com
Web: www.saint-gobain-pipelines.co.uk



Breaking new ground in directional drilling and pipe bursting



PAM Directional demonstrates how innovative thinking, practical experience and technical excellence deliver a simple but safe ductile iron solution for all water and sewer applications where open-cut trenches are either impossible or inappropriate.

PAM Directional

- Available in DN 100-700
- Anchored push-fit joints for easy installation
- Up to 40 bar working pressure allows contractors to install, test and forget
- Built-in corrosion protection withstands even the most aggressive soil conditions
- Withstands higher pulling forces



For your free copy of our PAM Directional case study, call 0115 9300713 or e-mail tara.smith3@saint-gobain.com. For technical enquiries, please call 0115 9300700 or fax 0115 9300731.



SBWWI AGM

The SBWWI 2006 AGM was once again held at the popular Warwick Hilton Hotel. Reports were provided by Gary Houghton and Ray Doughty, as well as an overview from Tony Kenworthy, Society Treasurer.

The Society's accounts were reported to be in an excellent state by the auditors, Moffat Gilbert, recording a surplus over the year.

Gary Houghton, Perco Engineering, and Society Chairman for the past two years passed the baton over to Ray Doughty, Wavin UK, who commented.... "I am delighted to be accepted by members as Society Chairman of SBWWI as it celebrates its 20th Anniversary and in what is its most successful year to date. During my first term of 'office', I will ensure that the focus will remain firmly on the production of quality information, the support of members and their interests, the continuance (and possible increase) of Water Company / associated body liaison meetings, and the lobbying of the industry regulator". Gary Houghton remains on the Management Committee as Immediate Past Chairman.

Carl Millington, Engenica, was voted on to the role of Society Vice-Chairman. A further change in the committee structure saw Tony Kenworthy, ASM, relinquish his role as Society Treasurer to Carl Millington, Engenica who 'volunteered' to undertake this dual role with that of Vice Chairman.

The Section representatives were confirmed as Jon Crean, Flex Seal Couplings – Technical Section Chairman; Technical Vice Chairmen: Barry Kerr, AquaGas AVK and Ken Smith, Hy Ram Engineering; Andy Ball, Daniel Contractors – Commercial Section Chairman; Commercial Section Vice Chairman: Jon Parr, Sensus Metering. A Vice-Chair vacancy remains on the Commercial Section.

A record number of industry guests arrived for a very enjoyable lunch and informal chat, closing with a short presentation from Pamela Taylor, Chief Executive of Water UK. Pamela's comments included a need for innovation

and better working relationships between the companies and their supply chains and hoped to work more closely with SBWWI and its members in the future.



Don't keep it a secret

When you have finished with this issue, pass it on... or if you would like to change the number of copies received by your company please call Carol on 01926 831530

Can cured-in-place linings reduce infiltration into sewers?



As part of its Portfolio Collaborative Research Programme, WRC plc has taken on the

management of the sewer lining infiltration test procedure that Thames Water started to develop in 2004 with input from industry end users and Practitioners. As part of the project (CP308 "Infiltration Reduction Capabilities of Cured-In-Place Linings"), WRC is able to offer manufacturers free witnessing of the test, though these opportunities are limited to a first come, first served basis.

The test quantifies the amount of groundwater that can infiltrate after lining with cured-in-place pipe (CIPP) systems. Such infiltration can occur either by water percolating through defects within the lining material or by water tracking between the lining and host pipe, and exiting either at the ends of the lining into a manhole or into the sewer at lateral connections.

The test requires a full length CIPP lining to be installed within an assembly (comprising five clayware pipe sections including a 45° tee) against water infiltrating at 3m water pressure. Valves at each of the collar joints allow water pressure to be applied to the lining. After resin cure, the water pressure is increased to 5m head and any infiltration is

collected and measured at the ends of the lined section. The pass/fail infiltration rate has been set the same as for a new sewer. To date 14 CIPP systems have been tested and 6 have passed.

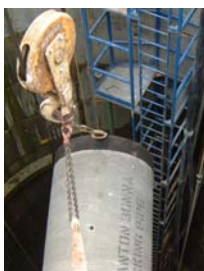
WRC's Portfolio project CP308 is being sponsored by 4 Water and Sewerage Companies. As part of the work programme WRC will witness infiltration tests and provide a test letter certificate to those system/installers which are successful. There is no fee to the installer for WRC witnessing the infiltration test during the project, but the number of witnessing visits is limited. There are 8 visits remaining on a first to be tested, first to be served basis. The number of tests witnessed for a particular CIPP system and supplier is limited to a maximum of two. After the remaining 8 visits have been undertaken witnessing by a suitably qualified experienced independent company is likely to incur a charge.

Further information on the infiltration test procedure, CP308 project details and test letters for the CIPP systems who have passed to date can be found on the project web site at www.waterportfolio.com/CP308. To register for a witnessing slot contact Andy Russell on 01793 865130 (e-mail andy.russell@wrcplc.co.uk).

Stanton Bonna supplies major trenchless sewer for Severn Trent Water



A £14m scheme by Severn Trent to alleviate flooding problems in and around Kenilworth has led to a major jacking pipe contract for leading precast concrete products manufacturer, Stanton Bonna. The project to construct the new storm sewer tunnel involves Stanton Bonna supplying over 1,100 metres of DN 1200 steel banded concrete jacking pipes for trenchless installation, and 1,800 metres of standard circular drainage pipes for open cut installation.



Stanton Bonna jacking pipe being lowered into a shaft as part of the trenchless construction.

Elliptical pipes overcome challenging conditions at Twickenham

Working on the RFU's major redevelopment of the South Stand at Twickenham stadium, consulting engineers, ARUP have overcome challenging surface water drainage issues by specifying Stanton Bonna's elliptical concrete pipes.

A high water table on the site and very shallow gradients for surface water run-off from the stadium meant that elliptical pipes were considered a more technical and economic alternative to other drainage systems. Stanton Bonna was awarded the contract shortly before installation commenced, meaning tight delivery schedules had to be met.



The contract has also included smaller quantities of Stanton Bonna circular concrete pipes and manholes.

The new attenuation tanks are located immediately outside the South Stand, where an ongoing £90m redevelopment, scheduled for completion by September 2007, involves increasing the stadium capacity from 75,000 to 82,000 as well as the construction of a new 156 bedroom four star hotel, a new conference centre, health spa and new RFU offices.

Installation of the Stanton Bonna pipes has been carried out by Duffy Construction whose project manager, David Walker commented: "The high water table and shallow gradients on this construction site created specific surface water drainage challenges that were best solved by elliptical pipes. Stanton Bonna was able to respond rapidly to tight delivery schedules and with trench excavation levels reduced and rapid jointing techniques employed, the pipes ensured a quick and easy installation."

For further information: Murray Howitt Marketing Manager, Stanton Bonna 0115 944 1448



New PR6 and PR7 solid state pulsers

Highly robust Elster's new PR6 and PR7 solid state pulsers form the bases of an ultra reliable Automatic Meter Reading system.

Combining the inductive technology of the PR6 and PR7 with Elster's TRC600 radios generates one of the industry's most advanced and reliable AMR installations. The new PR6 and PR7 pulsers are suitable for both residential and bulk meters covering the range from 15mm to 300mm.



Elster Metering: Pondwicks Road, Luton LU1 3LJ
Tel: 01582 402 020 Fax: 01582 438 052
Main contact: Garrick Burchell
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Web: www.elstermetering.com



Insituform Technologies' Thermopipe keeps Isle of Man rising main online

The town of Ramsey lies towards the northern end of the Isle of Man. In the town, at Clifton Park, there is a sewerage pumping station pump that collects local flows before pumping them through a rising main for their onward journey to the local treatment plant. During part of the regular maintenance programme of the Department of Transport (DOT) - Drainage Division which is responsible for sewerage operations on the Isle of Man, an inspection of the rising main leading away from the pumping station revealed that it was becoming structurally unsound. As flows through the rising main pipe run at an operating pressure of 4 bar pressure rehabilitation works were called for.

Consultant Holmes Grace Consulting Engineering Ltd worked directly with the client, DOT, to design and formulate the works required. The main contractor working with Holmes Grace was Insituform Technologies Ltd (ITL). After careful consideration of the options available to renovate the pumping main, it was decided that ITL would utilise its Thermopipe® lining system for the project.

THERMOPIPE®

Whilst more commonly associated with clean water lining operations, Thermopipe® has been used in various locations across the UK for similar pressure main sewer work with companies such as Severn Trent, Scottish Water and Welsh Water. The process of lining with Thermopipe® offered the Isle of Man site not only a significant savings due to its rapid installation time compared to other systems (the liner does not have to cure it is simply heated and re-rounded), so minimising the downtime of the pumping station, but also provided a long lasting, thin-walled, structural liner which minimised the capacity losses after lining, making it ideal for pressure pipes of this type.

RAMSEY PROJECT

Due to the continuing operation of the sewage network feeding into the pumping

station during the course of the preparation and lining works, an overpumping system had to be established to cope with the ongoing flows.

The civil engineering works were carried out by S Craig & Sons, a regular subcontractor of ITL on the Isle of Man. Once the pipeline was prepared a further CCTV survey was carried out to ensure the line was clear of any potential obstructions before lining commenced.

LINING WORKS

The rising main project comprised a total of five separate liner installations using 250 mm diameter Thermopipe®. The installations included a 76.9 m length, a 152.5 m length, a 46.5 m length, a 42.5 m length and a 187.3 m length, giving a total lined length of 505.7 m. After each Thermopipe® insertion was completed a further CCTV survey was completed to ensure the quality of the lining and provide a record of the installation for the client. Once the lining work was completed the rising main was reconnected to the main sewer network and the pumping station put back into service. The contract, from start to finish, was completed in just 14 days.

ITL continues to expand its equipment portfolio to cover most aspects of the trenchless technology installation and renovation industry, enabling it to better serve the contracting needs of its wide and increasing variety of utility and industrial customers. For further information on any of the company's available technologies please contact John Beech, ITL Business Development Manager using the contact details below.

For further details contact:

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Email: JBeech@insituform.com

Website: www.insituform.com



Site Electrical has clinched a multi-million pound sewage pumping station maintenance deal with Severn Trent Water.

Site Electrical scooped the lucrative contract against tough competition. Potentially, the contract is for a period of seven years, an initial three years with an option for a further two, two-year extensions. Mr Ian Wilbur, managing director of Site Electrical, said: "This contract is an important expansion of our business and we are looking forward to building a long-term relationship with STW over many years."

The area of the maintenance work includes Birmingham and surrounding districts, Gloucestershire and Worcestershire. Mr Wilbur added: "The work is a partnering arrangement with Severn Trent Water for routine and reactive maintenance of 870 sewage pumping stations and breakdown cover has to be provided 24/7. This is our biggest contract of its kind in terms of the number of pumping stations involved.

"This adds to the existing pumping station maintenance contracts we have with United Utilities in the North West and United Utilities Operational Services across the whole of North Wales."

In fact, Site Electrical currently holds in excess of 200 individual maintenance contracts for both private household and industrial clients and management companies.

Commenting on the Severn Trent Water deal, Mr Wilbur continued: "This is in tribute to our expertise in this field and the experience we've gained over many years. This contract comes at a time when we have a good order book."

Site Electrical: Constellation House, Milltown Street, Radcliffe, Manchester, M26 1WD
Tel: 0161 725 5555 Fax: 0161 725 5566 Main contact: [Ian Wilbur i.wilbur@site-electrical.co.uk](mailto:Ian.Wilbur@site-electrical.co.uk)

Skanska McNicholas has been awarded the South East London area of the Victorian Mains Replacement programme for client Thames Water. The contract, due to start in early March, will begin work in the Bexley area. The seven year contract is expected to produce minimum sales of £15m in its first year.

McNicholas plc was acquired by Skanska UK in December 2006, and the combined business will deliver annual revenue of around £300 million, making Skanska one of the largest utilities and infrastructure services providers in the UK. The company works in all the utility sectors, highways, transportation and street lighting.

OnSite

Client/Contractor Interface Software Makes for Efficient Asset Management

In a financially driven world which, increasingly, relies as much on knowledge of location and state of repair of assets for their management as on an ability to fix them when they go wrong, the use of modern computer software for the storage, manipulation and transfer of existing and newly acquired data is becoming widespread.

One UK-based contractor that is currently utilising such software (InfoNet), in conjunction with one of its major clients, Severn Trent Water (STW), is OnSite. The company currently has 9 existing

Framework Agreements in place with Water Companies as well as other agencies including British Waterways and the Environment Agency.

OnSite currently operates within two basic service areas. Its Worcester-based division offers CCTV Surveys, Flow Surveys, Sewer Cleansing, Sewer Ancillary Surveys, Sewer Design and Repair, whilst its Challow-based division, Premier Pipe, offers Cured In Place Lining (CIPP), Lateral Cutting, Top Hat Lateral Lining and other Sewer Repairs.

Onsite, at present, undertaking three different types of survey projects for STW including CCTV surveys, operational sewer support surveys (involving blockage removal,

plant sewer cleansing and wet well cleansing), and hydraulic flow surveys. In the first two of these areas, InfoNet is being used by both client and contractor to manage projects. The client uses the system to send to the contractor the specifications of the assets to be surveyed, and the contractor uses it to transmit the collected results back to the client.

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Website: www.site-electrical.co.uk**



OnSite undertakes flow surveys for Severn Trent Water as part of its term contract agreement.

Powerclamp 180 Hydraulic Re-Rounder & Alignment Clamp

This tool has been developed by Fusion Provida and the Water Companies as a direct result of on-site trials to help with pipe ovality on coil installations. By using this tool, the trials have proved that joint time is reduced and the combined re-rounding and alignment clamp provides a stress free Electrofusion joint. The advantages of the tool are that it is fast acting, lightweight and requires minimal effort from the operator.

For further information Tel 01246 455998 or visit fusionprovida.com



Uponor

GREEN APPLE FOR UPONOR SUPER TEAM

Uponor's SUPER (Systems for Uponor PolyEthylene Recycling) scheme team, created as part of the pipe manufacturer's Business Improvement process, are proud recipients of a National Green Apple award from the Green Organisation.

The award was delivered in recognition of the benefits the team's SUPER scheme has brought to Uponor, its customers and the environment. The scheme has entailed making the recovery and recycling of customer polyethylene (PE) waste cost-effective, along with giving customers access to waste stream data to form part of Key Performance Indicators (KPIs) and waste minimisation strategies at local and regional levels.

So far, more than 260 tonnes of PE has been recovered during the 18 months that the scheme has been operating. The recovered material is turned into pelletised PE that can be used in a variety of non-pressure products, at Uponor's Newton Aycliffe, Cork and Banbridge facilities.

Uponor personnel working on this innovative scheme included Gary Wain, Gordon Harrison, Peter Jellis, Tony Minett, Mick Rathbone and Mark Richardson.

Gary Wain received the award on behalf of his team along with project engineer Jessica Richardson from National Grid at a recent event held at the Tower of London, from leading environmental personality Dr David Bellamy, along with the Green Organisation's Roger Wolens.



Gary Wain and Jessica Richardson receive the Green Apple award from Roger Wolens (l) and David Bellamy

Another Accolade

Every year Uponor runs its own Business Improvement Awards (BIA) scheme, in which internal groups of Uponor employees look at particular issues, define processes to tackle them and measure the impact of any subsequent improvements. Benefits are also identified and measured for the company, customers, suppliers and the environment. At this year's BIA open day event, the SUPER scheme team was one of the top three voted on by visitors and the official BIA judges alike.

For further information: Please contact Gary Wain at Uponor on 01773 582275, or visit Uponor's website at www.uponor.co.uk



**Visit our website:
www.sbwwi.co.uk**

new members



Lanes Group Plc undertake activities across a number of disciplines; these include Pro-Active Drainage Maintenance, Sewer Rehabilitation, Pest Control, Fire & Flood Renovation and contractual Hygiene Cleaning Services. Drainage Maintenance activities include carrying out: CCTV Surveys across a diverse portfolio of assets from small commercial and domestic pipes to major work for highways & utilities. Projects involving public highway are carried out by their RASWA certified staff trained in traffic management. All vehicles are equipped with the correct signage and guarding equipment. Drainage Maintenance account for 58% of group turnover.

Through Sewer Rehabilitation Lanes maintain & improve sewers using no dig technology that minimises the impact on the environment of essential repairs. Sewer Rehabilitation account for 33% of group turnover.

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Quadratus is a consultancy offering specialist supply chain advice in the utilities, infrastructure and construction sectors. Our utilities consultancy can help reduce clients' utility costs and enable accreditation under Lloyd's Register's WIRS, NERS and GIRS schemes. We provide retained consultant resources to allow the appointment of a suitably trained Authorising Officer without an in-house specialist.

Our supply chain consultancy delivers cost savings through a mix of utility sector advice, enterprise-wide supply chain audits, procurement consultancy and purchasing training. Quadratus additionally helps contractors outperform larger and better-resourced competitors and win more work through improvements in documentation and bid processes.

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Utility Week is the only weekly news magazine for energy and water utilities in Britain, covering business, competition, regulatory, customer service, environmental and IT issues. Utility Week is published by Reed Business Information, Quadrant House, The Quadrant, Sutton, Surrey SM2 5AS.

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Epros International are pleased to announce that they have been acquired by Trelleborg.

Epros International are the leading supplier of materials and systems for sewer and waste water rehabilitation and export to over 40 countries. The merger with Trelleborg means that Epros are able to grow and develop the business further. Not only are there plans in Germany to grow the research and development department and expand the already impressive product range, but the International division has moved into new premises in the North East with over 800 sqm of office and warehouse. A new training facility will work closely with UKSTT to provide City and Guilds approved training on various trenchless sewer systems including patching, relining using hot and steam cure for the UK and international customer base.

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- CALENDAR OF EVENTS -

Date	Meeting/Event	Venue
20 February	SBWWI/SBGI Utility Connections Seminar	Coventry
15 March	SP&SG meeting with Skanska McNicholas	London
19 March	Liaison Meeting with OFWAT	Birmingham
23 March	Liaison Meeting with Water UK	London
26-27 March	Co-sponsored event: The Future of the Utilities	London
26-27 March	Co-sponsored event: Wastewater Technology Summit	London
29-31 March	IWO Annual Conference	Nottingham
17 April	Liaison Meeting with Bristol Water	
26 April	Scottish Water	Livingstone
1-3 May	IWEX	Birmingham
21 May	SP&SG meeting with 4D Delivery	Brighton
24 May	Liaison Meeting with South Staffs Water	Walsall