

WATERWIDE

THE INDUSTRIAL WATER TREATMENT SPECIALIST

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WATERWIDE on the move

Owing to the continued success of providing a premier water treatment service, WATERWIDE has had to look for a larger premises to facilitate the continuing growth and expansion of the Company.

The Company back ground has always been one of Technical Strength in the field and this move is as a direct result of increased market share driven by technical excellence.

WATERWIDE has purchased a larger site near to Tenbury Wells, Worcs., just about ten miles from the former offices in Stourport. The new site will provide larger and more dedicated office and warehousing accommodation with the potential for yet further expansion in the future.

The move will also signal the opportunity of new jobs locally.

With all of the facilities on one site, and with new dedicated customer record systems in place, WATERWIDE will improve on the already unbeatable service provided, ensuring that the client continues to receive the best possible technical support through into the next millennium.

As a result of the move, our Address Telephone and Fax Numbers are all changing.

As from the 30th March 1998

Our new details are as follows:

**WATERWIDE
Birchfield
Upper Rochford
Tenbury Wells
Worcs.
WR15 8SR**

Tel: 01584 781500

Fax: 01584 781600

Your local representative's Mobile Telephone number will also be changing. They will be contacting clients to advise them of the new numbers over the next few weeks. Should you experience any difficulty in contacting any of our service personnel, please contact the office and we will be pleased to assist you. Please ensure that all personnel within your organisation with whom we deal, are updated on these new details.

New Cooling Water Inhibitor Series 400 Cooling Water Control Unit

WATERWIDE has introduced a new combined scale and corrosion inhibitor for semi - low hardness cooling water applications. C941 is ideally suited to much of Birmingham's raw water supply from the Elan Valley and any softened water application. Based on a synergised blend of neutralised phosphonic acid derivatives, low molecular weight polymers and organic corrosion inhibitors, C941 is metal free, being a greener alternative to many of the zinc based inhibitors currently on the market which use the same type of chemistry. C941 is now widely used and has been achieving excellent scale and corrosion inhibition.

Further to the information published in the December News Letter, the degree of interest shown in the SERIES 400 cooling water dosing and control unit even surprised us. So much so that we ran out of stock!

The good news is that these are now back in stock.

The Series 400 dosing unit is a fully automated system which doses inhibitor and two biocides on an alternating basis. The unit also provides the control for the system to bleed off as well as dosing products direct from the shipping containers. All containers are fitted with low level alarms.

Oxygen solubility in water is inversely proportional with temperature. This means that cold water has the potential to dissolve more oxygen than hot water. This is why having the feed water temperature as high as possible on a boiler plant is so important. It reduces the amount of chemical oxygen scavenger required, thus reducing the TDS in the boiler and hence minimising the amount of blowdown.

As an example, there is approximately 5 times as much oxygen in water at 50°C than there is at 90°C. Thus in terms of chemical usage and cost, it would take 5 times more oxygen scavenger to treat the feed water at 50°C. This translates directly in to cost. It would also take 5 times the cost! Fitting a thermostatically controlled steam sparge pipe into the hotwell is without doubt, the cheapest way of minimising chemical usage.

WATERWIDE have produced a Water Treatment Risk Assessment manual for all cooling water applications. This conforms to the current HSE guidance note HS(G) 70. For more information contact us.

The Langelier Index is a calculation used to determine how scale forming a particular water is likely to be. The calculation takes into account, TDS, Alkalinity, Calcium hardness, Temperature and pH.

Technical Forum

Cleaning and Disinfection of Cooling Systems

Under the HSE's Guidance note HS(G) 70, there is a requirement that all industrial cooling water systems should be cleaned and chlorinated on a twice per year basis. Within this guidance note there is also clearly spelt out, the methodology that should be adopted for cleaning.

Over the past few months, we at WATERWIDE have taken on the treatment of several cooling systems and as such, often start off the new programme with a clean and chlorination. Many of these systems have past certificates of cleaning and chlorinating with previous water treatment companies. Interestingly however, in several cases, the work certified could not have been carried out as written. One system which had the pack supposedly removed for cleaning, had the access side panels welded up five years ago! Nevertheless, according to the paperwork, it was cleaned, chlorinated and the pack removed just 6 months earlier!

Another water treatment companies site's paperwork gave no indication that the pack could not physically be removed owing to the tower design. There was no indication of this on the Risk Assessment and no detail drawn to the clients attention on the disinfection log paperwork.

Once some form of paperwork / certification is in place, a client often believes that they have complied with the requirements of HG(G) 70, unaware that the paperwork is meaningless as the requirements have not been fully carried out. Water treatment companies have therefore to clean up their act and clients need to get smarter.

When evaluating a proposal on the clean and disinfection of the cooling system therefore, the client should ensure that a method statement is attached to the proposal and that it PERTAINS TO THEIR SITE. Many water treatment companies prepare a 'standard' methodology statement. Ensure that the statement produced is workable for your site and that the work to be carried out is actually possible.

At the end of the day, you get what you pay for; there is no such thing as a CHEAP clean and chlorination. To carry the work out as detailed within HSG(70) requires time, an understanding of the system and a DETAILED knowledge of the HS(G) 70 guidance note. If a 'Cheap' quote is received, check that the requirements are going to be met.

WATERWIDE

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Products and Services

Boiler Water Treatment

Oxygen Scavengers
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Condensate Line Inhibitors
Alkalinity Builders

Special Applications

Rust removers
Defoamers
Closed system inhibitors
Fuel Microbiocides

Cooling Water Treatment

Corrosion Inhibitors
Scale Inhibitors
Microbiocides
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Microbiological Analysis
Deposit Analysis
Scanning Electron Microscopy
Test Kits

Effluent Treatment

Primary Cracking Agents
Polyelectrolytes
Neutralising agents

Dosing Equipment

Chemical Dosing Pumps
Tablet Dispensers
Dosing Pots

Site Water Surveys

Risk assessments for HSG(70)
Water Audits

Monitoring Equipment

Corrosion Test Racks
Sample Coolers

For further information, please complete & return to the address above

Cleaning & Chlorinating of Cooling Systems.....

Cooling Water Inhibitor.....

Series 400 Cooling Water Controller.....

Feed Water Oxygen Scavenging.....

Water Treatment Risk Assessment.....

Your Name.....

Co. & Address

Tel No. Fax No