



# Pesticides in water: is the current ideology practical and sustainable?

**1st December 2011**

The Lakeside Conference Centre,  
FERA, Sand Hutton, York

This one day event will attempt to highlight the problems with the current ideology related to pesticides in water. Individual pesticides have unique properties, and many variable factors determine the specific risk in terms of water pollution and these include the half-life; mobility in soil and solubility in water: Many pesticides are fairly soluble in water so that they can be applied with water and be absorbed by the target. The higher the solubility of the pesticide, the higher the risk of leaching. Residual herbicides are generally of lower solubility to aid soil binding but their persistency in the soil can cause other problems.

The following issues will also be considered:

- Should the 0.1 ug/litre blanket (one size fits all) EU limit be challenged and replaced with a USEPA risk based approach with individual values for each approved pesticide? For products based upon metaldehyde and glyphosate this could make orders of magnitude differences in permitted concentrations
- The issues of cost and carbon footprint of pesticide removal strategies from water
- Food security versus use of pesticides in relation to population predicted increase
- Screening of pesticides as used in routine food analysis versus targeted analysis for targeted routine water analysis?
- Technical innovations and future pesticide use and dealing with the challenge

## Who should attend?

- Water companies operational and laboratory staff
- Pesticide manufacturers
- Agricultural community
- Environmental consultants
- Regulators

## Venue & Accommodation

The Lakeside Conference Centre, FERA is located in Sand Hutton which is approximately 7 miles northeast of York. Full directions will be emailed along with hotel information when delegates register, alternatively details can be found at <http://fera.defra.gov.uk>

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## Conference Programme

	<b>Chair – Professor Clive Thompson,</b> AlControl Laboratories
10.00 – 10.15	<b>Conference Opening &amp; Welcome</b> <b>Tony Harrington,</b> Director of Policy & Regulation, Fera
10.15 – 10.45	<b>Pesticides in water: current position and future challenges</b> <b>Professor Colin Brown,</b> University of York <ul style="list-style-type: none"> <li>• Overview of the issues</li> <li>• Regulation and management</li> <li>• Future directions</li> </ul>
10.45 – 11.15	<b>The analytical challenge</b> <b>Michael Dickinson,</b> Research LCMS Specialist, FERA <ul style="list-style-type: none"> <li>• Recent trends / developments in the analysis of pesticides in food and water</li> <li>• Emerging techniques in pesticide residues analysis</li> <li>• Future analytical strategies</li> </ul>
11.15 – 11.45	<b>Coffee Break</b>
11.45 – 12.15	<b>Challenges of emerging pesticides to water supply</b> <b>Tom Hall,</b> Principal Consultant – Water Supply, WRc plc <ul style="list-style-type: none"> <li>• Occurrence of problem pesticides, particularly metaldehyde, in water sources</li> <li>• Performance of treatment in removing these pesticides</li> <li>• Cost implications for the industry in dealing with metaldehyde by water treatment</li> </ul>
12.15 – 12.45	<b>The Water Framework Directive and protection of drinking water contaminants</b> <b>Jo Kennedy,</b> Environment Agency <ul style="list-style-type: none"> <li>• The current WFD compliance picture for England and Wales</li> <li>• Safeguard Zone Action Plans – setting out how compliance will achieve at a catchment level</li> <li>• Beyond Voluntary Measures – in some catchments current voluntary approaches to implementation of measures are not sufficient and other options will need to be explored</li> </ul>

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12.45 – 13.00	<b>Discussion &amp; Questions</b>
13.00 – 14.00	<b>Lunch</b>
14.00 – 14.30	<b>How does a company addresses environmental regulatory challenges through innovation?</b> <b>Philippe Costrop,</b> Head of Product Stewardship, Syngenta Crop Protection <ul style="list-style-type: none"> <li>• How does this reflect research and development of active ingredients?</li> <li>• What does this mean for addressing the regulatory requirements?</li> <li>• Where is the link between the dossier and the use in practice?</li> </ul>
14.30 – 15.00	<b>Achieving sustainable outcomes</b> <b>Speaker to be confirmed</b>
15.00 – 15.30	<b>Coffee Break</b>
15.30 – 16.00	<b>Reducing risks of pesticide non-compliance by Voluntary Measures</b> <b>John Haley,</b> Yorkshire Water <ul style="list-style-type: none"> <li>• Review the success of voluntary measures for achieving pesticide compliance</li> <li>• Review the control of bracken spraying in upland catchments, balancing risks, catchment management and the needs of landowners and biodiversity</li> </ul>
16.00 – 16.30	<b>The Voluntary Initiative – a Scottish perspective</b> <b>Margaret McGuinness,</b> Scottish Water <ul style="list-style-type: none"> <li>• Scottish Water have been involved in the voluntary initiative for 10 years with the River Ugie catchment – a detailed analysis of the results over 10 years, the effects on drinking water etc.</li> <li>• The work carried out with farmers and agronomists over that period and the benefits gained from that work</li> <li>• What we are planning going forward – the work we are currently engaged in and the results to date of interventions</li> </ul>
16.30 – 17.00	<b>Discussion &amp; Questions</b>

## Booking Form

### Delegate Details

I would like to register for the 'Pesticides in water: is the current ideology practical and sustainable?' event on 1st December 2011.

Title \_\_\_\_\_

Name \_\_\_\_\_

Organisation \_\_\_\_\_

Address for Correspondence \_\_\_\_\_

Postcode \_\_\_\_\_

Tel \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

### Fees

Full Delegate	£260 (+VAT)
SCi Members	£200 (+VAT)
Students	£100 (+VAT)

### Method of Payment

CHEQUE: I enclose a cheque for

£ \_\_\_\_\_

Payable to AE Technology Transfer  
A VAT Receipt will be sent automatically

INVOICE: Please invoice for the sum of

£ \_\_\_\_\_

Purchase Order \_\_\_\_\_

Contact Name \_\_\_\_\_

Contact Number \_\_\_\_\_

Invoice Address \_\_\_\_\_

### CREDIT/DEBIT CARD:

Card Type \_\_\_\_\_

Card Number \_\_\_\_\_

Name on card \_\_\_\_\_

Expiry date \_\_\_\_\_

Issue number (for Switch) \_\_\_\_\_

Security number (last 3 digits on reverse of card) \_\_\_\_\_

Registered address - if different to delegate address above)

### Sponsorship & Exhibition Opportunities

The cost for a 3m by 2m exhibition space at the event is only **£400** (+VAT) – no hidden costs. This includes your stand space, 1 person to man the stand, a table and 2 chairs. **Exhibitors receive 20% off** the delegate rates.

To discuss sponsorship and exhibition opportunities at our events, please contact:

**Sarah Hickinson**

Tel: +44 (0) 1924 257 891 Fax: +44 (0) 1924 257455

Email: [sarahhickinson@aquaenviro.co.uk](mailto:sarahhickinson@aquaenviro.co.uk)

### Terms and Conditions

When you register for the conference you will automatically be added to Aqua Enviro events mailing list – you can unsubscribe from this at any point.

I am happy to be contacted once (by email) by the SCI and supporting organisations.

A charge of £40 (+VAT) will be levied for cancellations made up to 20 days prior to the event. Cancellations after this period will be liable for payment of the full fee. Payments should be received 30 days of receipt of invoice.

Signature \_\_\_\_\_

Date \_\_\_\_\_

### Enquiries and booking forms directed to:

AE Technology Transfer, Unit 8, Appleton Court, Calder Park, Wakefield WF2 7AR

Tel: 01924 257 891 Fax: 01924 257 455

Email: [clarehunter@aquaenviro.co.uk](mailto:clarehunter@aquaenviro.co.uk)