

Outline

- Who are United Utilities?
- Interaction with Amenity Forum
- Our glyphosate experience and response
- Reasoning
- Regulatory background
- Current position
- Next steps?



Who are United Utilities?



- Provision of water and wastewater services
- ~7million people
- ~2.7million domestic customers
- ~300,000 business
- 2,000 million litres per day



Interaction with the Amenity Forum



Interaction with the Amenity Forum



From: John Moverley [<mailto:John.Moverley@amenityforum.co.uk>]

Sent: 28 March 2014 09:05

To: Mogford, Steve

Subject: Seeking clarification please

Dear Mr Mogford

I am sorry to trouble you as I know how busy you will be but I am keen to resolve an issue recently raised.

The Amenity Forum is the voluntary initiative for the sector in the UK promoting best practice and driving up standards in relation to weed, pest and disease control. It is recognised by Government and other key stakeholders as the voice for the sector on such matters. Further information is available at www.amenityforum.co.uk

At a recent full meeting of the Forum, one of our members indicated that United Utilities were no longer allowing use of glyphosate on their sites because of concerns about it being found in water. Whilst clearly all guidance is to make use of glyphosate in a targeted manner and take all precautions to avoid run off, this product is not regarded by the regulatory authorities as being of major concern. In such a context we are anxious to gain a clear statement of your current position on this.

I stress that it was a point made by one of our members and I want to be sure that it is based upon fact rather than hear say

We would be keen to engage with United Utilities and I am very happy to meet any of your colleagues with a view to helping each other more fully understand matters. In fact I recently wrote to Jo Harrison, Head of Wastewater Strategic Asset Planning, asking if someone from United Utilities may be prepared to make a presentation at our well attended national conference in October. I await her reply.

Thank you very much indeed

John Moverley

Professor John Moverley OBE
Independent Chairman

Amenity Forum
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Tel 07847 127238

If you are interested in joining us, contact [Alan Spедding@amenityforum.net](mailto:Alan.Spедding@amenityforum.net)
Amenity Forum National Conference October 16th 2014

Our glyphosate experience

Regulations

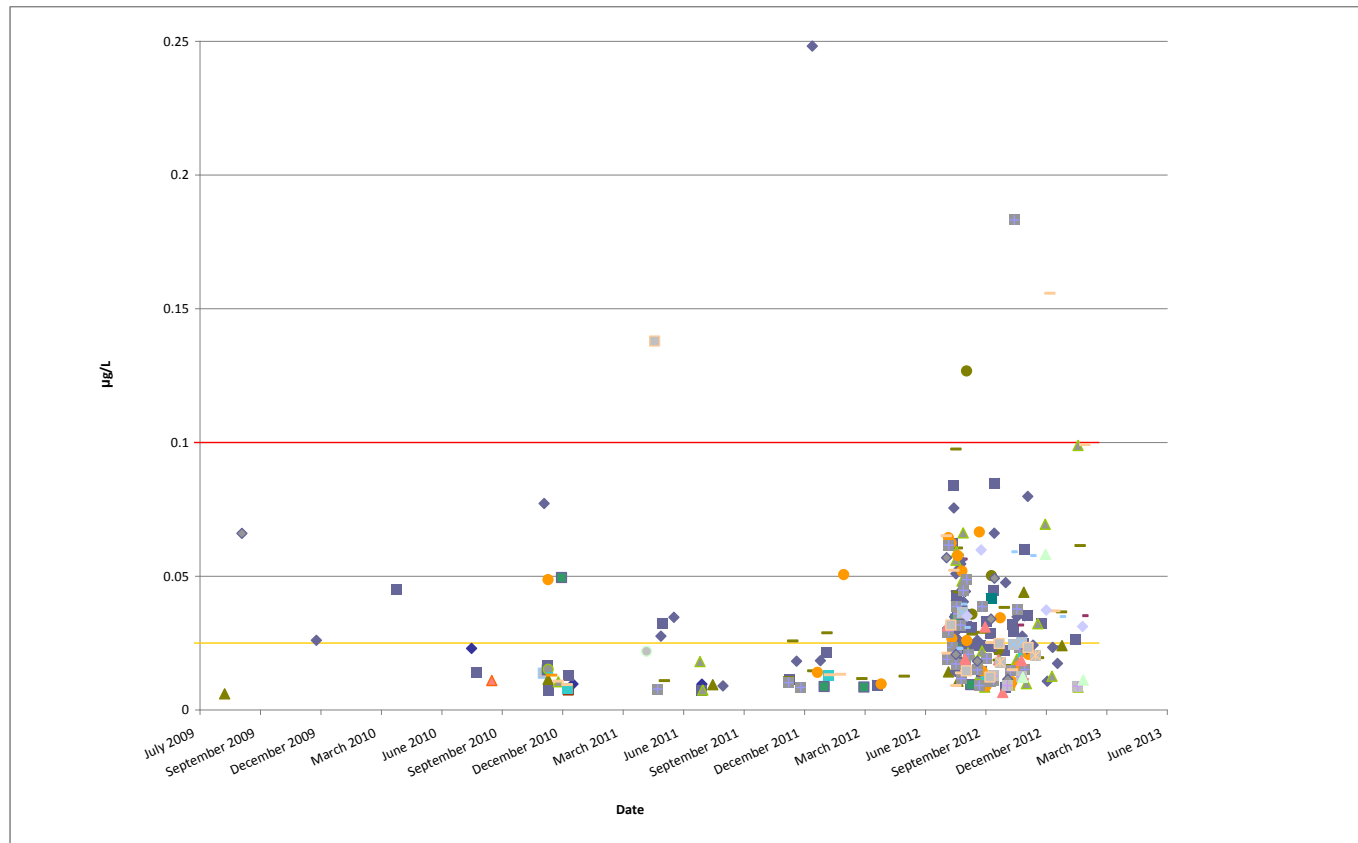
- European Drinking Water Directive
 - Maximum allowable concentrations (MAC)
 - 0.1 $\mu\text{g/l}$ for any pesticide
 - 0.5 $\mu\text{g/l}$ for total pesticides
 - irrespective of toxicity
- Water Supply (Water Quality) Regulations
 - Prescribed concentrations or values
 - Identical to MACs
- In effect, pesticides should be absent



Our glyphosate experience



- Glyphosate present in final water samples from water treatment works



Our glyphosate response

- Why?
 - Approved for use on or near water
 - Not expected to leach into groundwater
 - Conventional water treatment processes (coagulation / activated carbon) should remove it
 - “Not doing what is says on the tin”

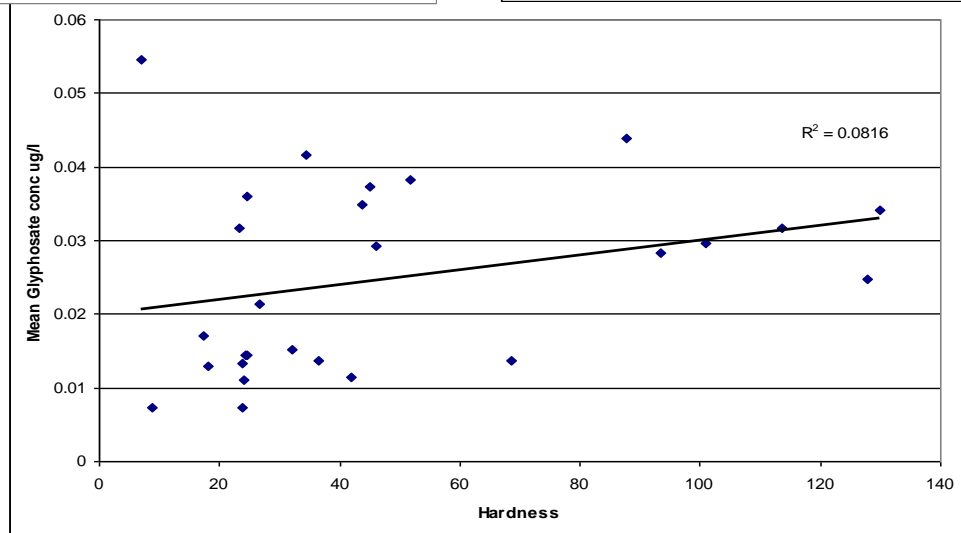
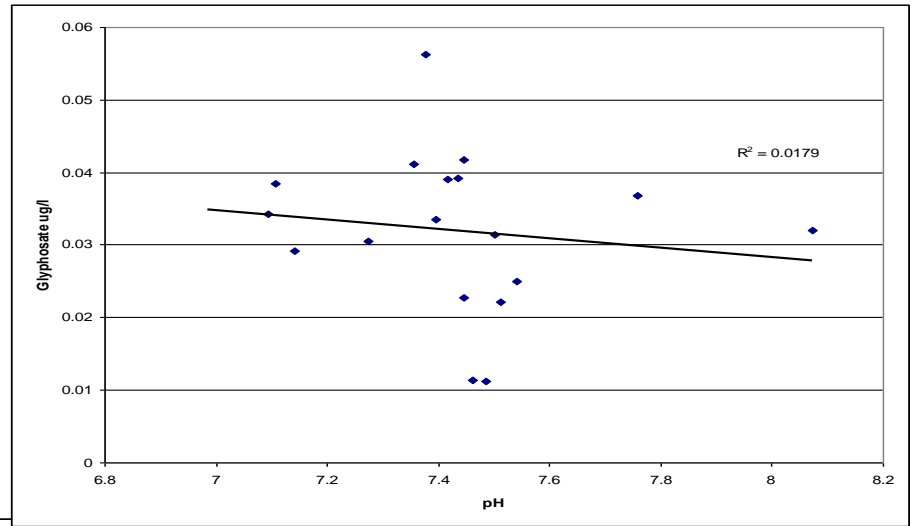
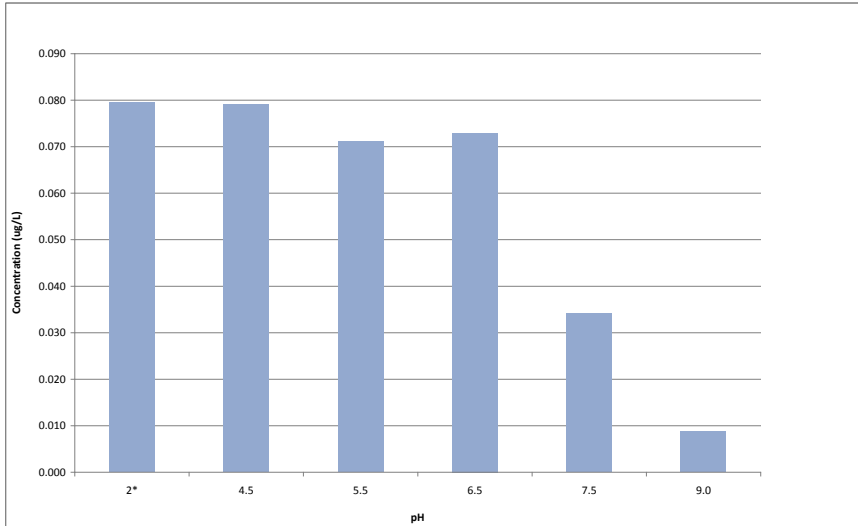


Our glyphosate response

- Why?
 - Approved for use on or near water
 - Not expected to leach into groundwater
 - Conventional water treatment processes (coagulation / activated carbon) should remove it
 - “Not doing what is says on the tin”
- Review
 - Glyphosate steering group
 - Laboratory investigations
 - Treatability with chlorine
 - Analysis of existing pH, chlorine and glyphosate data
 - Grounds maintenance activity at water treatment works
 - The wider regulatory background



Our glyphosate response Results



Reasoning

- Bottom line
 - Glyphosate present above PCV in drinking water samples
 - Breach of regulations
 - UU grounds maintenance activities utilise glyphosate
 - Could there be an association?
- **UU stopped the use of glyphosate at its water assets in March**
- No further breaches of regulatory standard for glyphosate since then

Regulatory background

Water Framework Directive

- Drinking water protected areas
 - All bodies of surface and ground water intended for human consumption
- Safeguard zones (SgZs)
 - Anthropogenic water quality deterioration

