



## MUNICIPAL CASE

## YORKSHIRE WATER WTW

# A REDEFINING PRIMOZONE® OZONE SOLUTION AT YORKSHIRE WATER WTW

When Yorkshire Water built the new state-of-the-art water treatment plant, Acomb Landing, Primozone was chosen as the preferred ozone supplier by both Yorkshire Water and the principal contractor AECOM.

### Innovative solutions important

**A KEY DRIVER** for the Acomb Landing project was to find new technology and innovative solutions that would help reduce total cost of ownership.

Primozone designed a complete ozone water treatment solution that reduced both cost and secured redundancy. This thanks to the unique energy saving and modular plate reactor technology.

### Modularity and up-time

With the Primozone concept the specified ozone capacity could be reduced by 25%, thanks to its modularity and built-in redundancy.

The modular concept also minimized the risk for down-time. So far up-time during

operations of the water treatment works has been 100%.

According to AECOM the Primozone ozone solutions “has a number of benefits both in terms of lower CAPEX and OPEX compared to the conventional ozone generating systems and also due to its relatively simple modular design”.

### Removal of pesticides

The valley around the River Ouse is a heavy agricultural area and it is also very flood resilient. This means possibly high levels of pesticides in the water.

The pesticides will be removed by the ozone solution provided by Primozone together with granular activated carbon absorbers.

“At AECOM we have been looking for new ozone generator technology for a long time. With Primozone we found the technology that we were looking for.”

**GRAHAM TINSON**

Project Manager, AECOM

### AECOM

AECOM is one of the worlds largest design & build contractors within municipal water & waste water.

### ACOMB LANDING WTW, YORK, UK

- Raw water from River Ouse
- Output capacity 35 ML/day drinking water

### PRIMOZONE OZONE SOLUTION

- 3 Primozone® GM18 ozone generators
- Dissolution module with Statiflow static mixer
- 2 Primozone® DM ozone destructors
- Primozone® system controller
- Run on LOX
- Commissioning Nov. 2012



Primozone ozone installation at Acomb Landing - 3 GM18 ozone generators, 2 DM ozone destructors and a dissolution module.

[www.primozone.com](http://www.primozone.com)

Primozone began redefining ozone technology in 2000. Since 2003, Primozone Production AB has been wholly owned by Westfal-Larsen Technology of Bergen, Norway. Today Primozone's patented technology is used in water treatment installations in more than 40 countries worldwide.

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**DAN JOHANSSON,**  
Sales Manager and specialist on municipal water treatment solutions.

## “WE ARE REDEFINING OZONE TECHNOLOGY BY DESIGNING SOLUTIONS THAT WORKS”

At Primozone we are proud of being specialists in designing complete ozone water treatment solutions - we do not only design innovative ozone generators.

My focus is to find the best water treatment solutions for our municipal customers. I'm responsible for my customers from the initial sales calls to commissioning and operations and my goal is to make sure that we deliver a solution that works.



View of Acomb Landing plant with the LOX-tank that feeds the ozone generators.

## SOLUTION FOR ACOMB LANDING WTW

The complete ozone solution delivered to Acomb Landing is based on efficient ozone generation and ozone dissolution that removes pesticides in the water.

