

## Ballygrant WTW, Islay THM Failures 25 May 2010

DWQR Inspector:  
John Littlejohn

### Summary of Incident

A sample taken in the distribution of Ballygrant WTW on 25<sup>th</sup> May 2010 failed the regulatory standard for Total Trihalomethanes (THM) with a concentration of 110.7µg/l, while a follow-up sample taken on 13<sup>th</sup> July also failed the Regulatory limit of 100µg/l THM.

### DWQR Assessment of Cause of Incident

These failures occurred in spite of the process team spending two months optimising the chlorination process to try to limit THM production. Treatment at Ballygrant is by membrane filtration which should reduce THM precursors in the water to very low levels. It is therefore disappointing to see these failures occurring at a works where THM levels could be anticipated to be low. In response to the failures Scottish Water have installed new membranes at the works, although the old ones were only installed in 2008. DWQR will monitor THM concentrations at Ballygrant and prompt further action if required.