



Drinking Water Quality Regulator  
for Scotland

# Incident Assessment

Fetlar WTW  
THM Failure  
13 April 2010

DWQR Inspector:  
John Littlejohn

## Summary of Incident

This event was deemed an incident because Regulation water quality was not restored within two months of the original PCV failure.

## DWQR Assessment of Cause of Incident

A sample taken from the Fetlar WTW distribution on 13<sup>th</sup> April 2010 breached the regulatory standard for Total Trihalomethanes (THM) with a value of 170.7ug/l (regulatory standard = 100ug/l). Repeat samples taken up to June 2010 also breached the standard. The current treatment at Fetlar WTW (carbon and sand) does not adequately reduce the organic compounds that cause THMs to be created on disinfection.

## DWQR Assessment of Actions Taken by Scottish Water

Improved treatment for this supply is required to prevent repeat occurrences of this problem.