

Technical Inspection of**Black Esk WTW****Date of Inspection****Date** **08/06/2015****DWQR Staff Present**

C. Robertson-Kellie, M. Bower, D. Grzybowski

Scottish Water Staff Present (& Titles)

Michael McMinn, Roy Caig, Gary Guthrie, Ian Skilling,
Margaret Greig, Findlay Donaldson, Mike Baird, David Hill,
Nigel Graham-Smith (part)

Summary of Inspection

Black Esk WTW was selected for audit as there were two coliform failures in 2014. They were attributed to ingress of water into the CWT and the tank has now been repaired. The Operator and Team Leader were very knowledgeable and well informed, and took an obvious pride in the works. The main concern in the audit was the filter backwash; visual inspection of a filter wash suggested that the filter was not washing properly, and the water on the surface of the neighbouring filter was cloudy during the this wash. There were unusual trends from the turbidity monitors - the turbidity started high and reduced during the wash, again suggesting that filter backwashing was flawed. The WSP has identified that there are issues with 'breakthrough of contaminants as a result of leaking valves' but the target completion date is currently 31/3/21. This is unacceptable and these filters should be investigated and issues resolved as soon as possible.