

Carsphairn WTW, Dumfries and Galloway

4 November 2009

Inspection Report

Overall Summary

Carsphairn is an effective water treatment works that is well operated and produces high quality water in a remote location with variable raw water quality. The site has benefited from recent capital investment, although there remain a few minor issues to resolve. Progress has been made to mitigate risks identified in the Drinking Water Safety Plan.

Number of Findings:

6

Score (out of 6)

Quality of Water Produced

5

Very good

Water quality is excellent due to the robust membrane treatment process.

Robustness of Treatment Asset

4

Good

The membrane copes with varying raw water quality. Treatment works asset is generally sound and in a tidy condition.

Operational Practices

5

Very good

Operational staff are actively managing the treatment process, despite an apparent lack of guidance on issues such as membrane cleaning and the new disinfection process.

Maintenance of Asset

4

Good

Maintenance appears reasonable, barring a few minor issues. A mechanism is needed to prioritise replacement of membranes before failure occurs.

Safeguards and Procedures

3

Adequate

Membrane treatment is inherently robust. Works would benefit from more detailed operational procedures and some improvements to monitoring.

Water Safety Plan Development and Implementation

3

Adequate

DWSP has been completed honestly and some important issues identified. Progress to address issues is mixed - delays seem largely due to issues with funding and the SWISS process.