

Larchfield WTW, DUMFRIES

4 November 2009

Inspection Report

Overall Summary

This is a small works that serves a discrete part of Dumfries. The works consists of a borehole and simple disinfection using ultra-violet light. The works is being well run and maintained, however improvements to water quality monitoring would be beneficial.

Number of Findings:

5

Score (out of 6)

Quality of Water Produced

5

Very good

Water quality is very good, in this small supply zone that uses ultra-violet light (UV) to disinfect the water coming from the borehole. Operational staff are diligent and highly trained. The site would benefit from increased monitoring or checks that would highlight any deterioration in water quality.

Robustness of Treatment Asset

4

Good

The asset itself consists of a borehole and UV treatment, and this is consistently providing high quality drinking water without problems.

Operational Practices

4

Good

Operational staff are managing the plant well, although more water quality checks would be beneficial.

Maintenance of Asset

5

Very good

Although simple, the asset appears to have been well maintained.

Safeguards and Procedures

3

Adequate

Usual Scottish Water procedures are present and the site shuts down if disinfection fails, however the site could be vulnerable to changes in raw water quality without additional monitoring and water quality checks.

Water Safety Plan Development and Implementation

2

Weak

The DWSP has been completed thoroughly and highlights a number of issues also picked up in this audit, however limited action has been taken to resolve them.