dwqr Drinking Water Quality Regulator for Scotland

Technical Inspection of Scottish Water Distribution System

Penwhirn Regulation Zone, Dumfries & Galloway Area
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DWQR Staff Present   Matt Bower

Scottish Water Staff Present (& Titles)   Nigel Graham-Smith, Mike Baird, Margaret Greig, Miriam Deakin,

Summary of Inspection

Overall Summary

Penwhirn water supply zone serves the area around Stranraer, Wigtownshire and Newton Stewart. It has historically suffered from water quality issues and is the subject of a current DWQR enforcement notice. During this technical inspection, DWQR has noted the work that has been undertaken to improve quality, and this is starting to pay off. Operational practices in the area are especially good, and a number of examples of best practice were noted.

	Number of Findings:	5	

	Score (out of 6)	

Quality of Water	4	Good

Penwhirn has historically had issues with iron and THMs and is currently the subject of a DWQR enforcement notice. Iron has improved since trunk mains were rehabilitated, although more work remains to be done. At time of inspection, supply had recently converted to chloramination - apparently with great success in maintaining residuals and preventing THMs.

Asset Robustness	4	Good

Work on trunk mains has improved asset base, although considerable quantities of ferrous mains remain. Chloramination has removed the need for secondary chloramination. Storage point condition was mainly good, although a few issues were raised.

Operational Practices	5	Very good

Operational practices were mostly very good - staff have an excellent awareness of water quality issues and are actively working to improve the situation in the zone.

Management of Risk	4	Good

The area appears to have good capabilities for managing risk, and plans are well thought through and resourced.

Recording Information	4	Good

Recording of information was generally good, although operational staff would benefit from improved access to the hydraulic model for the zone.

Water Safety Plan Development	n/a
Water Safety Plan Implementation	n/a

The water safety plan has not yet been developed for this zone.