Technical Inspection of Scottish Water Treatment Works

Rawburn WTW, Berwickshire

22 February 2012

DWQR Staff Present	William Byers
Scottish Water Staff Present (& Titles)	Struan Robertson, Mick Jones, Finlay Donaldson, Dougie Scott, Ian Skilling, Iain Ogilvie, Mike Baird

Summary of Inspection

Overall Summary

Rawburn is a medium sized water teatment works supplying the central and eastern areas of Berwickshire in the Scottish Borders. The works is performing well treating water from Watch Water reservoir to a high standard. The site and reservoir are generally well maintained and staff have a good awareness of the operational requirements of the works. Although the need to activate the River Dye intakes as a water source has not been required for many years, it would benefit staff to develop and document procedures to address this contingency.

Number of Findings:	**3**	
	Score (out of 6)	
Quality of Water Produced	**5**	**Very good**

Rawburn produces a very good quality water and there are few issues with compliance. Problems earlier in the year associated with ferric dosing which gave rise to event notifications had been resolved with provision of new dosing apparatus.

Robustness of Treatment Asset	**4**	**Good**

The treatment processes are appropriate to the raw water from the reservoir and although some aspects of the works are ageing, they are currently operating well.

Operational Practices	**5**	**Very good**

Staff are highly competent and have a good understanding of the treatment process. The necessary checks and tests are being carried out and there is a very good level of attention to record keeping of instrument calibration and maintenance.

Maintenance of Asset	**4**	**Good**

Key maintenance tasks appear to be being undertaken and specialist maintenance contracts are in place for critical plant.

Safeguards and Procedures	**4**	**Good**

Treatment processes had appropriate alarms and procedures have been shown to provide effective response to problems.

Water Safety Plan Development and Implementation	**4**	**Good**

Limited number of risks identified in improvement plan. The DWSP does not recognise the risks associated with maintaining the contingency abstraction point from the River Dye. If called upon, there are a number of risks in it's readiness for activation, the time it may take, the impact of the quality of the water being introduced to the works, the procedures required to flush the transfer pipeline and /or to maintain a fresh standing suppliy in the pipeline.