

During the audit it was noted that, although operationing effectively, the filters require maintenance including media replacement. Individual monitors are in place for the filters and water quality trends are satisfactory. Backwash times have been optimised through the last 12months by the Process Scientist and operators, and a backwash was observed during the audit which was also satisfactory, although water was still visibly discoloured when the wash finished. It was apparent that filter log books had not routinely been kept up to date during 2022.

Filtered water is super-chlorinated with Sodium Hypochlorite and then flow proportionately dosed with SO₂ to achieve a final Chlorine target of 0.7mg/l, which telemetry trends suggest is well controlled and the verified CT = 49.

Operational monitors are well labelled and maintained across the site, although Operators are aware of a couple of monitors that are not currently fully operable and are under investigation and repair.

From the audit and discussions with Scottish Water staff onsite, it is clear that Scottish Water staff do a very good job in ensuring the quality of water from Lintrathen WTW, however there are a number of investments required including upgrades to PLC's/SCADA systems; filter refurbishment; installing auto-shutdown / run to waste / slow-start facilities; and improvements to the wash-water recovery process.