

### Afton WTW

03/06/2021

**DWQR Staff Present**

Colette Robertson-Kellie

**Scottish Water Staff Present**

Cyril Shinkfield, Christopher White, Chloe Manson, Mark Tait,  
David Seales, Gary Caig (part audit), Scott Gibson

### Summary of Inspection

#### Overall Summary

Afton WTW was selected for audit due to incidents from events 11155 and 11482; the DWQR has served Scottish Water with an Enforcement Notice for improvements at the site as a result of these incidents.

The site was operating well at the time of the audit, with all measured parameters compliant with regulatory standards. The flow through the works had been increased a few days before the audit to manage increased demand from the network; this had increased the load on the filters, so filter run times had been reduced. Filtered water turbidities and residual aluminium concentrations were all low and disinfection was well controlled. All water quality instrumentation was operating effectively, calibration and servicing records were all up to date, and all reagents were in date. Task scheduling was comprehensively completed and filter depth records showed that checks were routinely completed. Site staff manually measured aluminium and turbidity using bench tests during the audit, and results were comparable with on-line instrumentation results.

Despite a manganese removal stage at the treatment works, which lowers the Ct due to the higher pH required, Operations staff were unaware of the manganese concentrations in the raw water and were unsure whether the treatment was needed throughout the year.

Staffing levels appeared to be low; this is to be reviewed as part of the requirements of the Enforcement Notice..

Standards of housekeeping were exceptional.