

Penwhirn WTW, South Region

30/11/2021

DWQR Staff Present

Moira Malcolm

Scottish Water Staff Present

Roy Caig, Scott Gibson

Ross Johnston, Gareth Woods, Gordon Anderson

Martin McGarvie, Michael McMinn, Andrew Miller

Summary of Inspection

Overall Summary

Penwhirn WTW is a medium-sized works outside Stranraer serving Wigtonshire - a population of around 20,000. Source water from Penwhirn reservoir is clarified then passes through primary GAC filters and secondary sand filters to remove natural manganese. Disinfection control is very good. The water can take up to 4 days to reach the end of the network and so the supply is chloraminated to retain residual disinfection to this point. Two modern apprentices being trained up were excellent and are a credit to both themselves and their trainers.

In addition to auditing the treatment works, a water quality event occurring in January 2021 was also examined in detail and recommendations following from this are noted in my observations.