

Fineview Service Reservoir, South Region

31-Jan-18

DWQR Staff Present

Matt Bower

Scottish Water Staff Present

Davy McMath; NSO, Amy Gove, David Hill,

Summary of Inspection

Overall Summary

Fineview Reservoir is above Glenluce and supplied directly from penwhirn WTW . It is a concrete tank situated wholly above ground. It appears in good condition, although recorded a coliform failure (1,0) on 9 oct 2017 to which no cause was attributed, although a tenuous link to raw water issues ate Penwhirn was speculated. Following this the tank was drained, inspected and cleaned.

Number of Findings: 1

Quality of Water

Fineview . Flows through the tank are thought to be good,although levels rarely change, and achieve a consistent chlorine level at around 0.9mg/l total Cl. The failure was investigated and no definite cause found. This res has experienced a number of previous unexplained failures.

Asset Robustness

This service reservoir is constructed of concrete which appears in reasonable condition at points where it is visible. Evidence from the last cleaning report show the internal condition to be reasonable with no evidence of ingress or structural issues, although some were found the time before last. Flood test also carried out. New membrane was applied to roof. some evidence of water pooling due to inadequate drainage on roof. Compound is secure with stockproof fence. sample tap is well constructed within new style cabinet. All hatches secure, with seals and insect mesh.

Operational Practices

The volume of water stored in the tank is thought to be appropriate to maintain quality, although the potential to ensure levels fall and rise occasionally to improve turnover was discussed. The tank was last cleaned in Oct 2017 by SW's specialist contractor. No evidence of issues with vegetation growth.

Management of Risk

The water supply is directly from Penwhirn. Turnover is not thought to be an issue. Operations have an excellent understanding of risk and the network in the area and this is well managed, although the reason for the recurrent failures needs to be understood.

Recording Information

An up to date record of valve and pipe layout is displayed on site - an example of best practice. Target chlorine residuals and flush times are recorded by sample tap. Chlorines recorded as +/- 0.4mg/l which is slightly confusing - should be 1.3 max and 0.5 min (although suggest the minimum is quite low, especially as SR is direct fed?)

Water Safety Plan

Not audited