

### Whalsay Upper Service Reservoir, East Region

11-Nov-15

**DWQR Staff Present**

Bill Byers

**Scottish Water Staff Present**

Neil Williamson, Alan Blance, Colin Napier, Paul Hastie, David Hill

### Summary of Inspection

#### Overall Summary

The Whalsay Upper Service Reservoir is in good condition and it is evident that there is a high level of attention paid to maintaining water quality in the tank and in the distribution system in general.

**Number of Findings: 0**

#### Quality of Water

The water quality is good with no failures in samples from the tank during 2014, or in the year to date. Whilst samples from the reservoir show relatively low chlorine levels with respect to the range Scottish Water manage their Service Reservoirs, the levels are carefully managed at the treatment works to minimise risk of THM formation. There are no microbiological failures recorded in samples within the distribution system.

#### Asset Robustness

The tank is constructed of concrete which is in good condition all round. There is a good stockproof fence and gate around the site which is appropriate for the location.

#### Operational Practices

The tank was last cleaned in 2011 by local staff and there were no reported concerns with the internal condition. There is a good turnover of water in the tank which affords less than 24 hours storage.

#### Management of Risk

There are twin pumps located in the treatment works arranged on a duty/standby basis to ensure supply is delivered to the tank. A generator is provided to ensure power is maintained during regular power failures.

#### Recording Information

Local staff have a good knowledge of the distribution system and the key control valves to be operated to manage supplies and respond to emergencies.

#### Water Safety Plan

The DWSP recognises relevant Service Reservoir risks and identifies appropriate measures.