

Turriff Regulation Zone, East Region

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DWQR Staff Present

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Summary of Inspection

Overall Summary

An audit on aspects of the operation and maintenance of the Turriff water supply distribution system in the Turriff area, taking in Maunderlea and Fisherford service reservoirs, boundary valve management and control of maintenance activity on the distribution system. There had been repeated low level microbiological failures of samples taken from the two Service Reservoirs within the past two years with the asset condition attributed as being the root cause in all cases. Both tanks were in service with Fisherford only restored to supply some two weeks prior to audit. The remedial works carried out at both sites were clear to see and appear to be of a good standard. The records of two recent water main repairs were examined and these confirmed that the appropriate controls were shown to be applied to planning, access and shut down for maintenance work on the distribution system. Post mains repair water samples were shown to have been taken and appropriate responses made where a sample failed microbiological standards. The requirements for the management of boundary valves between distinct supply areas was shown to be effective.

Number of Findings: 1

Quality of Water

There have been repeated low level microbiological failures at both Maunderlea and Fisherford Service Reservoirs with the asset condition attributed as being the root cause. In both cases, the SR's were bypassed and removed from service to permit inspections, remedial works and cleaning to be carried out.

Asset Robustness

At the time of audit, both SR's were in service following remedial works being carried out. Both sites appear well maintained with good access, stockproof post and wire fence all round and padlocked gateways. The remedial works carried out are clear to see and appear to be of a good standard. In both cases, access covers were opened to check on their internal condition and these were in order. Although cable entry points to the water space was in order at Fisherford, the gland through the cover frame at Maunderlea requires some attention to secure this route from potential ingress.

Operational Practices

Appropriate controls were shown to be applied to planning, access and shut down for maintenance work on the distribution system. Post mains repair water samples were shown to have been taken and appropriate responses made where a sample failed microbiological standards. Weekly visits are made by Ops to check the SR sites. Both service reservoirs had been subject to remedial works to address failing samples and were cleaned before reintroduction to supply.

Management of Risk

The requirements for management of boundary valves between distinct supply areas was shown to be effective with evidence of adherence to use of the reporting line and post use, re-foaming and tagging of valves restored to a closed position.

Recording Information

Information on the water supply system is maintained in the Geofield GIS on field laptops. All NSO's etc. have access to the up to date information on layout and valve status. The system was demonstrated and utilised to inform SR valve locations and audit of Boundary valve. The new format of tank inspection reports provided by the Contractor are much improved, now containing a high level of information on internal apparatus and internal/external condition.

Water Safety Plan

N/A