



Drinking Water Quality Regulator
for Scotland

Technical Inspection of Scottish Water's Water Treatment Works

Newmore WTW, North Region

06/11/2017

DWQR Staff Present

Moira Malcolm

Scottish Water Staff Present

Neil Brennan, Jim Briggs, Stephen Keith,
Stephen Sandilands, Christie Jones, Naomi Dixon

Summary of Inspection

Overall Summary

Newmore WTW is a small treatment works serving the Tain and Invergordon area. Raw water is abstracted via the redburn intake from River Glass is very variable in quality. The process consists of Actiflo for conditioning, coagulation and clarification; followed by basic RGF filtration; and chloramination with hypochlorite and ammonium for disinfection. The water is finally corrected for pH and orthophosphate added for plumbosolvency. Water from Assynt WTW supplements the supply to the clear water tank. The variable raw water ensures that operators have to work hard to ensure that the treatment is optimised and final water quality is not compromised. A significant upgrade of the works is being planned which must address the raw water quality and ensure that the treatment methods are not stretched beyond their design envelopes so that compliant water is produced consistently.