d	Drinking Water Quality Regulator for Scotland	Technical Inspection of Scottish Water Distribution System	
Graemsay Service Reservoir, East Region			
10-Oct-17			
DWQR Staff Present Bill Byers, Alison Seton			
Scottish Water Staff Present		Colin Luke, Colin Napier, Jon Moses, David Hill,	
Summary of Inspection			
Over	all Summary		
n	ow an excess of storage at Graemsay for	asonable condition structurally but with the construction of new Clear Water tank at North Hoy WTW, there is r the demand provided by the island community. A review is being made of the optimum configuration of the educing the age of water stored and bringing stability to chlorine levels in the supply to consumers.	
		Number of Findings: 3	
T le	uality of Water The water quality is generally good but there is a history of minor microbiological failures. These have been attributed to issues of maintining supply levels and through tankering operations on Hoy prior to the construction of the new clear water tank at North Hoy WTW in 2015. Due to the variability of demand between community use and flow/return requirements, there has been difficulty in maintaining a consistent chlorine residual in the ongoing supply from the site.		
Asset Robustness			
т	This service reservoir is constructed of concrete and is entirely grassed over. The last cleaning inspection report in 2013 reported no concerns over the integrity of the tank. There is a good stockproof fence around the site and reasonable access for inspection and maintenance vehicles.		
Operational Practices			
V cl	Weekly site visits for sampling and to check secondary chlorination and chlorine residual. The tank was last cleaned in 2013 with next scheduled cleaning and inspection in 2018. There is minimal evidence of active ground maintenance but there is no sappling growth on site and no evidence of vermin.		
Management of Risk			
	The water supply is delivered to the island by subsea water main from North Hoy WTW. Site telemetry appears reliable and provides effective notification of water levels and other alarms.		
Recording Information			
Records of attendance, equipment or chlorine levels are not retained on site.			
Water Safety Plan			

The Water Safety Plan details appropriate risks for Service Reservoirs within the supply system. Works are identified at Graemsay in the plan to address the capacity issue and optimisation of secondary chlorination.