

Technical Inspection of Fionnphort SR, Mull

Storage Points		Score (out of 6)
23-Sep-15		
Quality of Water		
	Have any failures been noted?	
	Are there any adverse trends in colony counts?	
	Any issues with chlorine, THMs, Nitrite or discolouration?	
	Observations No failures noted however problems with loading data from Fionnphort and Iona SRs to DWQR reporting system.	
Asset Robustness		
	How is the storage point arranged (compartments, separate assets etc)	
	Is the security of the site satisfactory? (perimeter, hatches, buildings etc)	
	Are all ducts etc sealed (eg. around telemetry cables)	
	Is the storage point structurally sound? (integrity, hatches, vents, vegetation, drainage)	
	Are there any overflows and are these secure?	
	Is there a means of sampling inlet and outlet? Are sample points satisfactory and representative?	
	Is there and secondary chlorine dosing on site? Is this adequate and properly controlled?	
	What monitoring instrumentation is present? (check calibration)	
	How robust is the telemetry link (test if possible)	
	Is access to the site reasonable? (Crampons required?)	
	Is there a bypass or other arrangements to enable cleaning and inspection?	
	Observations 2 cell concrete reservoir holding a max volume of 300m ³ in total. Cells can be separated to facilitate maintenance and cleaning. Good site access via track. Site padlocked but not alarmed, no hatches alarmed but in a low risk area. Adequate stock proof fencing surrounding tank and sample point. All ducting adequately sealed and no ingress from vegetation noted. Location of overflow(s) unknown. Sampling on outlet only. Secondary chlorination achieved by means of a 'battleship' floating delivery unit using 200g Cl bombs. Can be used with more than one bomb however not usually required. Surface of tank covered with a tar-type substance which has been in place since tank was commissioned. This has provided a good sealant however it is starting to boss and split in places and requires to be repaired and ultimately replaced.	
Operational Practices		
	Is anyone actively reviewing and trending quality?	
	How often does someone visit the site and what do they do? (checks on security, quality etc)	
	Is there a low turnover issue, and how is it managed?	
	Is there a policy for managing the level (could sediment be disturbed if allowed to drop?)	
	Any maintenance on valves / instrumentation/ other equipment?	
	When was the last time the asset was cleaned / inspected? Were any recommendations acted upon? When is it due again?	
	Observations No telemetry available on site - sent by Water Management system (moving to Open Enterprise). All actively reviewed by ICC. Site visited daily. No issues with low turnover as SR feeds Iona SR which has increased in capacity. Escalation policy and low level & high flow alarms in place for managing level. Aeration in place to reduce THM formation. Last cleaned in Dec 2012 - report noted the cells were in good condition with no visible defects.	
Management of Risk		
	Is there a plan for spiking the reservoir in an emergency? Do staff know how to go about this?	
	Do operational staff know what to do in the event of a suspected contamination incident?	
	What alarms are present from the site?	
	Observations Staff aware of secondary chlorine spiking procedure. Good staff knowledge demonstrated throughout. No security alarms on hatches or fencing but not in a high risk area.	
Recording Information		
	Is there an accurate plan of pipework and valving on the site?	
	Are there procedures relating to the operation of the storage point, both under normal and emergency conditions?	
	Is the setpoint for any secondary chlorine dosing recorded?	
	Is the storage volume known and available to all? Does it relate only to when storage is 100% full?	
	Is there an accurate record of the area supplied by the storage point and any vulnerable consumers?	
	How / where is operational information relating to the site captured?	
	Observations Operation procedures in place and staff aware of these. Excellent staff knowledge of vulnerable customer groups. All operational information recorded centrally.	
Water Safety Plan Development <i>Have risks been properly identified?</i>		
Water Safety Plan Implementation <i>Has appropriate progress been made to deliver interventions?</i>		
	Comments	