	Technical Inspection of Scottish Water's Water Treatment Works
	Lochranza WTW
	Date: 8th September 2021
DWQR Staff Present	Colette Robertson-Kellie
Scottish Water Staff Present	Mark Bunyan, Stephen Brown, David Hutton, David Seales, Gary Caig, Scott Gibson
	Summary of Inspection
Overall Summary	
Overall Summary Lochraze WTW is fed by Gleann Easan Biorach River through a rough screen at the source; this screen is cleaned manually by the Operators. The rare water is not monitored for colour or turbidity, either from bench tests or on-line monitors, despite the source being flashy and variable in colour and turbidity. The DWSP shows the presence of a raw water turbidity monitor. There is a revy cleater pH monitor, but was not operational at the time of the audit, the treated water pH monitor was not operational and there was no permeate turbidity monitor. Just it was not operational at the time of the audit, the treated water pH monitor was not operational and there are scheduled citric acid and hypochlorite cleans by Operators. Cleans are tinggered by a contractor every three months, and there are scheduled citric acid and hypochlorite cleans by Operators. Cleans are tinggered by und combined premate bench testing once a week, and any samples failing specification are checked for UV 254 absorbance, but there are very few sample points on the modules, so is recommended that the untwer of sample taps is increased to allow better path was 8.61, free chlorine was 0.9 mg/l. The C1 at the site 0.24 - there is a chlorine contact tank on the site but it is not used as there were hydraulic issues when it was commissioned. It is recommended that the C1 at the site is reviewed and a more appropriate C1 achieved for adequate disinfection at the site.	