

18 August 2022



Sue Petch  
Drinking Water Quality Regulator for Scotland  
Area 3-F South  
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**SCOTTISH WATER**

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Dear Sue

**Bradan WTW – Letter of Commitment Microbiological Risk**

Bradan WTW supplies 80MI/d of water to customers in Ayrshire and is due to be connected to the wider Glasgow network by December 2023. This will allow demand to be reduced facilitating maintenance and improvements to the WTW disinfection and treated water storage tanks without risking continuity of supplies to customers.

We are determined to reduce the risks to water quality for customers in the Bradan water supply zones and Scottish Water provides commitment to deliver the following actions:

**1 Maintain the following short-term measures until such time as capability improvements are delivered:**

- a. Optimise the existing coagulation process with the use of a charge analyser.
- b. Quarterly review of SR and WTW chlorine levels and make adjustments as required.
- c. Quarterly review of disinfection pH levels and make adjustments to ensure it is as low as practical for other treatment processes.
- d. Quarterly review of flow cytometry data to assess performance.

**2 Improve the integrity of the clear water tanks to prevent water ingress:**

- a. Install a durable, one-piece, waterproof sheet across both CWT cells, secured at the edges into the CWT peripheral drain and held down by sandbags on the roof of the CWT, by 31<sup>st</sup> October 2022
  - i. Once in place the waterproof sheet will be inspected monthly by our Reservoir Operative and recorded via our Reservoir Safety System App.
- b. Inspect and undertake permanent repairs to both CWT cells, in two stages following the commissioning of the Glasgow C1a resilience link by 31<sup>st</sup> December 2024.

**3 Improve the reliability and performance of the disinfection system in line with Scottish Water's Disinfection Policy:**

- a. By 31<sup>st</sup> October 2022, undertake a review of the existing disinfection system to identify maintenance and improvement needs where the current asset capability and condition does not meet our disinfection policy or management approach. Including identifying interim measures for consideration, prior to delivery of our preferred option, taking into account improvements planned to the site SCADA.
- b. Develop our overall investment appraisal for Bradan WTW to identify our preferred option to improve Ct in line with our disinfection policy by 31<sup>st</sup> October 2022, following which we will provide the DWQR with a timeline for implementation.

I trust this meets your expectation and assure you of our ongoing operational and monitoring activities to manage water quality within this system and our commitment to make the required longer-term improvements to the Bradan CWT to ensure compliance with standards.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'S. Parsons', written in a cursive style.

**Simon Parsons**  
Director of Strategic Customer Service Planning