



**Water Industry (Scotland) Act 2002
Enforcement Notice Under Section 10 (1)**

Bonnycraig Water Treatment Works

The Drinking Water Quality Regulator for Scotland ("the Regulator"), in exercise of the powers conferred by section 10(1) of the Water Industry (Scotland) Act 2002 hereby gives notice that she believes that Scottish Water has in the period 1 January 2018 to 31 December 2018, contravened and is likely to continue to contravene, regulation 4(2)(a) of the Public Water Supplies (Scotland) Regulations 2014 ("the Regulations") and Regulation 29(1)(a), (b) and (c) in relation to the supply of drinking water from Bonnycraig Water Treatment Works by failing to consistently ensure that *Cryptosporidium* oocysts are removed from or rendered harmless in the supply:

Therefore, Scottish Water is hereby required to:

1. Maintain the following **short term measures** until such time as the long term improvement scheme is delivered:
 - a. Optimise the existing coagulation process to minimise elevated filter turbidities.
 - b. Monitor the turbidity of the water from each filter using online turbidity monitors linked to telemetry, and alarmed at a maximum value of 0.5 NTU.
 - c. Review filter turbidity trends on a weekly basis, and instigate an investigation into any unusual trends or exceedances of 0.5 NTU.
 - d. Develop and introduce robust procedures and processes to ensure the UV disinfection process is operated within its design envelope at all times, including monitoring the UV transmissivity and turbidity of the water with suitable alarm settings.
 - e. Monitor Bonnycraig WTW final water continuously for *Cryptosporidium*.
 - f. Notify Borders NHS Board and DWQR of any detections of *Cryptosporidium* and, if necessary, implement any agreed measures to minimise risk to public health.

2. By 31 May 2019

Provide details of the UV operating procedures to DWQR.

3. By 30 December 2019

Provide DWQR with an outline programme for delivery of the long term solution including key dates for resolution of land purchase, planning approval, design completion and start on site.

4. By 30 September 2020

Complete the detailed design of the preferred technical solution and have received financial approval for the project. The solution must comply with recognised industry good practises and recommendations and secure the long term protection of human health of those consumers receiving water from the treatment works and associated supply system.

5. By 20 December 2022

Achieve water into supply from the proposed solution identified at Step 4 of this Notice.

Until such a time as the long term improvement scheme is complete Scottish Water shall provide DWQR with a progress report every six months, with the first report to be submitted by 30 June 2019.

This notice takes effect 15 days after the date shown below.



DRINKING WATER QUALITY REGULATOR FOR SCOTLAND

Date: 5 April 2019