



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

Turriff 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 Turriff 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 and clarification process to minimise 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. 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 Turriff WTW final water continuously for *Cryptosporidium*.
 - f. Notify Grampian 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 June 2020

Replace all filter media, nozzles, filter outlet valves, and filter valve control equipment

4. By 30 June 2022

Upgrade the SCADA and telemetry to enable full and effective control of filtration and other processes. Approach, including re-use of any existing equipment such as PLCs will be pre-agreed with DWQR.

Until such a time as Step 4 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.

Speth

DRINKING WATER QUALITY REGULATOR FOR SCOTLAND

Date: 05 April 2019