

Our Ref: DWI 116/08 (CPEO/08/04)

Date: 24 February 2011

Mr G Butler
Asset Management Director
Northern Ireland Water Ltd
Westland House
Old Westland Road
BELFAST
BT14 6TE

Dear George

**NOTICE UNDER SECTION 31(3)(A) WATER AND SEWERAGE SERVICES
(NORTHERN IRELAND) ORDER 2006 – DERG WATER SUPPLY AREA**

- 1.1 The Inspectorate has assessed the letter received from NI Water on the 10 February 2011 detailing the completion of the undertakings associated with THM non-compliances within the Derg water supply area and listed within our Notice of Acceptance of Undertakings issued on the 7 November 2008.
- 1.2 The Inspectorate accepts that the work detailed within these undertakings has been completed by NI Water. The Inspectorate will therefore close the Consideration of Provisional Enforcement (CPEO/08/04) for this works and associated water supply area, with the exception of the requirement to undertake additional operational sampling for Trihalomethanes (THMs).
- 1.3 The Inspectorate has assessed the 2010 data for THM levels from the works and within the associated water supply area (including operational THM data from service reservoirs). I have concerns that for the period July–August 2010 the reported THM levels within the works and associated distribution system do not demonstrate that disinfection by-products were being kept as low as possible (Table 1).

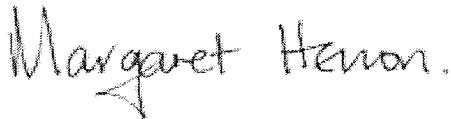
TABLE 1: DERG WTW'S AND ASSOCIATED SUPPLY AREA, THM SAMPLE RESULTS FOR JULY - AUGUST 2010

Works (Operational)	Sample Date	THM (µg/l)
Derg WTW Final	12/07/2010	92.6
Derg WTW Final	19/07/2010	96
Derg WTW Final	26/07/2010	125.1
Derg WTW Final	28/07/2010	120.1
Derg WTW Final	02/08/2010	91.4
Derg WTW Final	09/08/2010	70.9
Derg WTW Final	16/08/2010	59.9
Derg WTW Final	23/08/2010	57.7
Distribution (Compliance)		
Derg Strabane Zone ZN0701	09/08/2010	96.4
Distribution (Operational)		
Tullywhisker SR inlet	07/07/2010	86.1
Tullywhisker SR outlet	07/07/2010	79.9
Tullywhisker SR inlet	04/08/2010	91
Tullywhisker SR outlet	04/08/2010	86.6
Castletown SR inlet	07/07/2010	88.7
Castletown SR outlet	07/07/2010	96
Cranagh SR inlet	04/08/2010	69.2
Cranagh SR outlet	04/08/2010	97.9

- 1.4 In light of the above, the Inspectorate would require NI Water to undertake a review of the recently submitted Drinking Water Safety Plan for this water supply system. NI Water should provide an updated regulation 28 risk assessment report to the Inspectorate **by the 29 April 2011**.
- 1.5 NI Water should continue with the current programme of operational sampling for THM levels within the works and associated water supply area. NI Water should provide quarterly updates to the Inspectorate on both the operational and compliance THM sampling being undertaken.
- 1.6 The Inspectorate will keep under review compliance with the regulatory standards and if appropriate, will take further regulatory action to secure compliance.

- 1.7 Any enquiries about this letter should be addressed to David O'Neill (028 9056 9243).
- 1.8 Copies of this letter and attached undertaking are being sent to the Director of Water Policy Division, DRD; Director of Environmental Protection (Northern Ireland Environment Agency); the Director of Public Health; Consultants in Health Protection; the Chief Environmental Health Officer (DHSSPS); Chief Environmental Health Officers, district councils; Director of Water Regulation, NIAUR; and Head of Water, CCNI.
- 1.9 Please acknowledge receipt of this letter, by e-mail to DWI@doeni.gov.uk

Yours sincerely

A handwritten signature in black ink that reads "Margaret Herron". The signature is written in a cursive style with a large initial 'M' and a long, sweeping underline.

Margaret Herron

Chief Inspector of Drinking Water
Drinking Water Inspectorate