

Our Ref: DWI 116/11 (CPEO/11/02)

Date: 06 December 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 – KILLYHEVLIN WTWs AND ASSOCIATED  
SUPPLY AREA**

1. I enclose a self-explanatory notice of acceptance of an undertaking of the steps that Northern Ireland Water Ltd has taken, or is taking, to secure compliance in its duty to supply wholesome water under Section 107(3)(c) of The Water and Sewerage Services (Northern Ireland) Order 2006.
2. I acknowledge receipt on the 18 November 2011, of NI Water's response to our Consideration of Provisional Enforcement Order [CPEO 11/02] which was issued on the 28 October 2011. I also acknowledge clarification on timescales for your undertakings which were sent to the Drinking Water Inspectorate on the 6 December 2011.
3. This notice of acceptance of an undertaking will be published on our website.
4. The Inspectorate will monitor ongoing progress through the specific mechanisms as detailed in the undertaking, and may take further enforcement action as appropriate.
5. Any enquiries about this letter or the attached undertaking should be addressed to David O'Neill (028 9056 9243).

6. Copies of this letter 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 for Fermanagh District Council, Dungannon and South Tyrone Borough Council, and Omagh District Council; Director of Water Regulation, NIAUR; and Head of Water, CCNI.
7. Please acknowledge receipt of this letter, by e-mail to:  
[DWI@doeni.gov.uk](mailto:DWI@doeni.gov.uk)

Yours sincerely



Margaret Herron  
**Chief Inspector of Drinking Water**  
Drinking Water Inspectorate

Enc: Notice of Acceptance of an Undertaking for CPEO/11/02

NOTICE OF ACCEPTANCE OF AN UNDERTAKING FROM  
NORTHERN IRELAND WATER LTD

**THE WATER AND SEWERAGE SERVICES (NORTHERN IRELAND)  
ORDER 2006: SECTION 31(3)(A)**

**The Department for Regional Development**

1. is satisfied that Northern Ireland Water Ltd (NI Water), in supplying water from Killyhevlin Water Treatment Works to the following water supply zone:

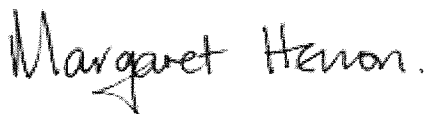
<b>Water Treatment Works (WTWs)</b>	<b>Water Supply Zones</b>
Killyhevlin Water Treatment Works	Killyhevlin Enniskillen ZN0802

has contravened, and is likely to do so again, in its duty to supply wholesome water with respect to the **taste and odour parameters**, under Section 107 (3)(c) of The Water and Sewerage Services (Northern Ireland) Order 2006.

2. has notified NI Water on 28 October 2011 that it is considering making, in relation to NI Water, a provisional enforcement order under Section 30 of The Water and Sewerage Services (Northern Ireland) Order 2006.
3. notes that NI Water has given **an undertaking** to take the following steps by the dates shown:
  - 3.1 to undertake a feasibility study for the introduction of a Granular Activated Carbon (GAC) package plant at the works. The study should commence by **31 January 2012** and be completed, **as soon as practicable**, but **by 31 July 2012** at the latest. A copy of the study is to be provided to the Inspectorate when complete.
  - 3.2 to provide quarterly updates to the Inspectorate on progress with the feasibility study as detailed in 3.1, commencing with the first update by **30 April 2012**.
  - 3.3 to implement a weekly sampling programme for the odour parameter for raw water at Killyhevlin WTWs and a weekly sampling programme for the taste and odour parameters from the final water at Killyhevlin WTWs to be implemented **from 1 January 2012**.
  - 3.4 to increase sampling for the taste and odour parameters within the Killyhevlin Enniskillen water supply zone (ZN0802) to 104 samples per year to be implemented **from 1 January 2012**

- 3.5 to provide the results from **all** sampling at Killyhevlin WTWs and within Killyhevlin Enniskillen zone (ZN0802) for the taste and odour parameters to the Inspectorate as a monthly summary report. The summary reports are to be provided **on the 5<sup>th</sup> of each month**. The sampling frequencies in 3.4 and 3.5 will be kept under review by the Inspectorate.
- 3.6 to continue to trial the dosing of sodium permanganate at the WTWs as required and identified through on site tests and water quality monitoring. The permanganate dose should be optimised according to the raw water quality. Manganese levels post clarification should be monitored via the Permatest instrument to ensure manganese levels do not exceed the regulatory limit in the final water. This trial is to continue **from 1 January 2012**, as deemed appropriate by NI Water.
- 3.7 to refurbish the Sulzer filters at the works with virgin carbon and fresh sand. This work is to be completed **by 31 August 2012**.
- 3.8 to correlate and map taste and odour failures and customer complaints within the affected zone on a monthly basis and use this information to target and develop its cleaning and flushing programme to reduce taste and odour developing within the onward distribution from the works. **Ongoing.**
- 3.9 to liaise with the Lough Erne Invasive Species Group (LEISG) in relation to control measures for pondweed growth in the vicinity of the Killyhevlin WTWs abstraction. **Ongoing**
- 3.10 to provide updates to the Inspectorate on progress with the above undertakings through its quarterly compliance programme meetings.
4. is satisfied that NI Water has given, and is complying with, an undertaking to take all steps as appears, for the time being, to be appropriate to secure or facilitate compliance with the relevant requirements of regulation 4 (Wholesomeness) of The Water Supply (Water Quality) Regulations (Northern Ireland) 2007.

Authorised by the Department for Regional Development to sign on that behalf:



Margaret Herron  
**Chief Inspector of Drinking Water**  
Drinking Water Inspectorate  
06 December 2011