WATER INDUSTRY ACT 1991: SECTION 19(1)(b)

THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD, AND RURAL AFFAIRS:

1) is satisfied that United Utilities Water PLC "the Company" is supplying water from Vyrnwy Large Diameter Trunk Main (Ref. 267) which may be at risk of exceeding the standard for Iron. This means that the Company is likely to contravene its duty in respect of supplying wholesome water under Section 68(1)(a) of the Water Industry Act 1991 and meets the requirement set in regulation 4(2)(c) of the Water Supply (Water Quality) Regulations 2000.

2) notes that United Utilities Water PLC has on 2 April 2009 given a new undertaking under the provisions of paragraph 2(b) of the previous undertaking given on 12 September 2007 (Ref no: NW 420) to replace the undertaking and to take the following steps by the dates shown:-

a) Take account of the potential risk to water quality within the relevant area of supply in the development of any Drinking Water Safety Plans. This should include giving consideration to the iron to which the programme of work relates, the duration of the work, and the extent and nature of the remedial works.
   **Ongoing**

b) Undertake a research and development project on the Vyrnwy LDTM to confirm the assumptions made in the development of the cleaning programme. On completion produce and submit a report detailing a review of the cleaning methodologies available and the results of the trials undertaken.
   **Complete by 31 January 2010**

c) Submit a summary of investigations carried out to confirm the appropriateness of the solution proposed following the completion of Step ‘b’ above. This should comprise a method statement which includes:
   i) The methodology used to determine/confirm the source of the problem and where it impacts, the criteria for selection of each section of trunk main identified for improvement, the improvement options considered and the solution proposed;
   ii) The criteria by which success will be measured (e.g. by inspection, sampling, reduction in incidents of discoloured water and/or levels of consumer complaints for discoloured water), the length of cleaning and refurbishment completed and how this will be monitored during the programme of work;
   iii) The method of post-assessment to determine that the work has been successful.
   **Complete by 30 June 2010**

d) Complete planning, design, and procurement arrangements to provide refurbishment of 240 km of the LDTM, to meet the success criteria detailed in b(ii) as part of a strategic approach to secure compliance with the standard for iron and reduce the number of customer complaints for discoloured water.
in water supply zones listed in the annex. Submit a detailed programme giving the following information:

i) A list of sections of the LDTM where the work is to be carried out

ii) The technique to be applied to each, and the reason for its selection

iii) The length to which the solution applies

iv) Details of enabling works to be carried out and the date by which these will be completed

v) The date by which work in each section of trunk main will be completed (the final one to be no later than 31 December 2020)

**Complete by 31 December 2010**

e) Complete construction, installation, and commissioning of the appropriate solution.

**Complete by 31 December 2020**

f) Take and analyse 12 samples for iron throughout the year from the water supply zones listed in the annex. If the concentration in any sample exceeds the maximum concentration permitted by Column 3, take all appropriate means to minimise the impact of discoloured water on consumers. Report infringements of the standard to DWI alongside current monthly exception reporting procedures.

**For the duration of this programme of works.**

g) At regular intervals provide DWI with reports on progress made with carrying out this programme of improvement works. Reports to include at least the following details:

i) Details of the programme of works including commencement and completion dates for investigations, design, tendering, construction and commissioning;

ii) Current state of progress with the programme of works in (i) above;

iii) A statement of the implications of any slippage of the programme in (i) above;

iv) Details of the prospect of recovery of any slippage mentioned in (iii) above, including degree to which slippage is expected to be recovered and how it will be recovered;

v) Whether the Company has any reason to believe that it will not be able to meet any of the key dates in the Schedule of Work

**Commencing the first reporting period after commencement of the work, and continuing at 6 monthly intervals. Reporting periods are the 30th June and the 31st December.**

h) Carry out post-commissioning assessment to demonstrate the effectiveness of the work carried out, as detailed in the method statement.

**Complete by 31 December 2021**
i) Submit to DWI evidence to support the closure and sign-off process for this scheme, within one month of completion of post-commissioning assessment, and continue monitoring until released from the Undertaking.

**Complete by 31 January 2022**

3) is satisfied that United Utilities Water PLC has given and is complying with an undertaking to take all such steps as appear to the Secretary of State for the time being to be appropriate to secure or facilitate compliance with the requirement of Regulation 4(2)(c) of the Water Supply (Water Quality) Regulations 2000.

Authorised by the Secretary of State
to sign in that behalf

Milo Purcell
Deputy Chief Inspector
Drinking Water Inspectorate

DWI Ref No: NW 425

28 April 2009