

Site Visit Report

Under the *European Union (Drinking Water) Regulations 2023*, the Environmental Protection Agency (EPA) is the supervisory authority in relation to Uisce Éireann and its role in the provision of public drinking water supplies. This audit was carried out to assess the performance of Uisce Éireann in providing clean and wholesome water to the public water supply named below.

The audit process is a sample of the performance of a water treatment plant and public water supply on a given date.

Water Supply Zone	
Name of Installation	DCC Zone 6
Organisation	Uisce Éireann
Scheme Code	0700PUB1007
County	Dublin
Site Visit Reference No.	SV31983

Report Detail	
Issue Date	18/03/2025
Prepared By	Michelle Roche

Site Visit Detail			
Date Of Inspection	25/02/2025	Announced	Yes
Time In	11:10	Time Out	12:15
EPA Inspector(s)	Michelle Roche		
Additional Visitors			
Company Personnel	Uisce Éireann: Joseph Moran, Trevor Smullen, Roisin Byrne and Maria Lloyd. Veolia (working in partnership with Uisce Éireann): James Connolly and Charlotte O'Hare.		

> Summary of Key Findings

1. Vartry Water Treatment Plant was operating satisfactorily on the day of the audit.
2. An updated chlorine contact time calculation was presented at the audit. The updated calculation closed out the outstanding recommendation of the previous EPA audit in September 2024.

> Introduction

Vartry Water Treatment Plant is the fourth largest water treatment plant in Ireland and provides drinking water to over 200,000 people in North Wicklow and South Dublin. Treatment at the plant includes; coagulation, flocculation and clarification across 4 Dissolved Air Flotation (DAF) units, filtration across 8 rapid gravity filters, UV disinfection, chlorine disinfection and final water pH correction.

The audit was undertaken to assess Uisce Éireann's progress in actioning a previous audit recommendation following an EPA audit in September 2024 and to assess Uisce Éireann's performance in producing clean and wholesome drinking water.

> Supply Zones Areas Inspected

The audit included interviews with Uisce Éireann and Veolia staff, review of water quality trends and a walk through of Vartry Water Treatment Plant.



1. Revisits 2025

1.1

Have the recommendations from the previous EPA audit been satisfactorily completed?

Answer

Yes

Comment

1. An updated chlorine contact time calculation was presented by Uisce Éireann during the audit. The maximum flow through the treatment included in the calculation has been increased from 3,150m³/hr to a conservative figure of 3,900m³/hr.

2. All other inputs to the calculation were also reviewed to ensure worst-case scenarios are covered in all instances.

Recommendations

Subject	Vartry WTP Audit Recommendations	Due Date	07/04/2025
Action Text	<p>Uisce Éireann is responsible for ensuring a clean and wholesome supply of drinking water and should implement the following recommendations without delay.</p> <p>1. Uisce Éireann should ensure that the clean and wholesome supply of drinking water is maintained and Vartry Water Treatment Plant continues to be suitably managed and operated at all times.</p> <p>Actions required by Uisce Éireann</p> <p>During the audit, Uisce Éireann representatives were advised of the audit findings and that action must be taken by Uisce Éireann to address the issues raised.</p> <p>The EPA advises that the findings and recommendations from this audit report should, where relevant, be addressed at other public water supplies.</p>		