

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	South Dublin Zone 2
Organisation	Uisce Éireann
Scheme Code	0800PUB1001
County	Dublin
Site Visit Reference No.	SV32040

Report Detail	
Issue Date	26/02/2025
Prepared By	Michelle Roche

Site Visit Detail			
Date Of Inspection	28/01/2025	Announced	Yes
Time In	11:00	Time Out	12:20
EPA Inspector(s)	Michelle Roche		
Additional Visitors			
Company Personnel	Uisce Éireann: Juan Antonio Gragera Rubio, Karl Dalton, Jessica Evans, David McDonald. South Dublin County Council (working in partnership with Uisce Éireann): Martin Smith. Dublin City Council (working in partnership with Uisce Éireann): Eoin Walsh.		

> Summary of Key Findings

1. The audit found that booster chlorination at Boherboy Reservoir was operating satisfactorily on the day of the audit.
2. There is no automatic shutdown in place on the booster chlorination dose in the event that high chlorine alarms are triggered.

> Introduction

Boherboy Reservoir receives treated water from Ballymore Eustace Drinking Water Treatment Plant in County Kildare. The treated water receives a booster chlorination dose (disinfection) at Boherboy Reservoir before water it is distributed to South Dublin Zone 2. The dosing infrastructure is managed and operated by Dublin City Council at the adjacent Saggart Reservoir, while the Boherboy Reservoir pumping station is managed by South Dublin County Council.

The audit was undertaken to assess Uisce Éireann's performance in producing clean and wholesome water with a focus on the alarms and inhibits in place on the booster chlorination and the procedures in place to ensure appropriate oversight of the chlorination process.

> Supply Zones Areas Inspected

The audit consisted of interviews with Uisce Éireann, South Dublin County Council and Dublin City Council staff. The dosing infrastructure and dose validation monitors were also viewed.



1. Alarms, Inhibits & Oversight Audits 2025

1.1

Are suitable plant shutdowns/inhibits in place to prevent inadequately treated water entering the distribution network?

Answer

No

Comment

There is no automatic shutdown in place on the booster chlorination dose in the event that high chlorine alarms are triggered.

Recommendations

Subject	Boherboy Reservoir Audit Recommendations	Due Date	26/03/2025
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> <ol style="list-style-type: none">1. Investigate the possibility of installing automatic shut down on the booster chlorination dose in the event that high chlorine alarms are triggered.2. Ensure that the clean and wholesome supply of drinking water is maintained and Boherboy Reservoir continues to be suitably managed and operated at all times. <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>Uisce Éireann should submit a report to the EPA on or before 26/03/2025 detailing the actions taken and planned, with timescales, to close out the above recommendations</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>		