

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	Cois Tobair
Organisation	Uisce Éireann
Scheme Code	0500PUB1325
County	Cork
Site Visit Reference No.	SV32518

Report Detail	
Issue Date	06/05/2025
Prepared By	Paul Buckley

Site Visit Detail			
Date Of Inspection	10/04/2025	Announced	Yes
Time In	10:35	Time Out	11:05
EPA Inspector(s)	Paul Buckley		
Additional Visitors			
Company Personnel	Uisce Éireann - Claire Hurley, John Sheahen. Cork County Council (working in partnership with Uisce Éireann) - John Crowley, Pauline McAree.		

> Summary of Key Findings

1. The protozoal log treatment requirement for the source of the Cois Tobair Public Water Supply has not been determined. The source and sanitary survey has been completed and was in the peer review process at the time of the audit.
2. There is no turbidity monitor with associated alarms and inhibits in place at the water treatment plant. These are required to prevent the entry of inadequately treated water into the supply.
3. The water treatment plant was well operated and managed on a day to day basis.

> Introduction

The Cois Tobair Public Water Supply (PWS) supplies an average of 147 m³/day of water, serving a population of 233 people.

The supply is sourced from a borehole located at the water treatment plant. Treatment consists of ultraviolet (UV) disinfection and chlorination.

The audit was undertaken to assess Uisce Éireann's performance in producing clean and wholesome water with a focus on the protozoal barriers in place at the water treatment plant.

> Supply Zones Areas Inspected

The borehole, ultraviolet disinfection system, and the chlorination system were inspected.



1. Protozoal Barriers Audits 2025

1.1

Has UÉ identified the protozoal compliance log treatment requirement for the water treatment plant?

Answer

No

Comment

The protozoal log treatment requirement for the Cois Tobair water treatment plant has not been identified. At the time of the audit the sanitary survey had been completed and is awaiting peer review.

1.2

Are there suitable plant controls to protect the protozoal barrier(s) and prevent inadequately treated water from entering the distribution network?

Answer

No

Comment

There is no online turbidity monitor with associated alarms and inhibits in place at the water treatment plant.

Recommendations

Subject	Audit Recommendations Cois Tobair PWS 10042025	Due Date	06/06/2025
Action Text	<p>Uisce Éireann is responsible for ensuring a clean and wholesome supply of drinking water and should implement the following recommendation(s) without delay.</p> <ol style="list-style-type: none">1. Install a turbidity monitor with associated alarms and shutdowns to protect the integrity of the ultraviolet (UV) disinfection system.2. i) Confirm the protozoal log treatment requirement, and ii) Provide details on how any log deficit, if identified, will be addressed. <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 06/06/2025 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>		