

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	Lombardstown/Glantane
Organisation	Uisce Éireann
Scheme Code	0500PUB1312
County	Cork
Site Visit Reference No.	SV31973

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

Site Visit Detail			
Date Of Inspection	10/04/2025	Announced	No
Time In	11:20	Time Out	12:45
EPA Inspector(s)	Paul Buckley		
Additional Visitors			
Company Personnel	Uisce Éireann - Claire Hurley, John Sheehan 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 sources of the Lombardstown-Glantane Public Water Supply have 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 are no turbidity monitors with associated alarms and inhibits in place at the Abbeyswell and Laharn Cross water treatment plants. These are required to prevent the entry of inadequately treated water into the supply.
3. The water treatment plants for the Lombardstown-Glantane public water supply were well operated and managed on a day to day basis.

> Introduction

The Lombardstown-Glantane Public Water Supply (PWS) supplies an average of 350 m³/day of water, serving a population of 742 people.

The supply is sourced from a borehole located at the Abbeyswell water treatment plant, and a gravity fed spring located at the Laharn Cross water treatment plant. Treatment at both plants 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 chlorine dosing system at the Abbeyswell water treatment plant, and the gravity fed spring, ultraviolet disinfection system and the chlorine dosing system at the Laharn Cross water treatment plant, 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 compliance log treatment requirement has not been determined for the Abbeyswell and Laharn Cross water treatment plants. Uisce Éireann indicated that the source and sanitary surveys have been completed but are awaiting peer review. This is due to be completed by the end of Q2 2025.

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 are no online turbidity monitors with associated alarms and inhibits in place at the Abbeyswell and Laharn Cross water treatment plants.

Recommendations

Subject	Audit Recommendations Lombardstown-Glantane 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 turbidity monitors with associated alarms and shutdowns to protect the integrity of the ultraviolet (UV) disinfection system.2. i) Confirm the protozoal log treatment requirement for the sources of the supply, 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>		