

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	Knockadoon
Organisation	Uisce Éireann
Scheme Code	0500PUB2506
County	Cork
Site Visit Reference No.	SV31967

Report Detail	
Issue Date	23/05/2025
Prepared By	Paul Buckley

Site Visit Detail			
Date Of Inspection	24/04/2025	Announced	Yes
Time In	09:55	Time Out	11:00
EPA Inspector(s)	Paul Buckley		
Additional Visitors			
Company Personnel	Uisce Éireann - Claire Hurley, Claire Kelly. Cork County Council (working in partnership with Uisce Éireann) - Padraig Griffin, Liam Gilmore.		

> Summary of Key Findings

1. The protozoal log treatment requirement for the sources of the Knockadoon Public Water Supply has not been determined. The source and sanitary survey had not been completed at the time of the audit.
2. The water treatment plant is well operated and managed on a day to day basis.

> Introduction

The Knockadoon Public Water Supply (PWS) supplies an average of 36 m³/day of water, serving a population of 159 people.

The supply is sourced from 2 no. boreholes, one located within the treatment plant and the other located within a kilometre of the 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 alarms and inhibits in place at the treatment plant and the procedures in place to ensure appropriate oversight of the treatment processes.

> Supply Zones Areas Inspected

The borehole located at the water treatment plant, ultraviolet disinfection system and the chlorine dosing system were inspected.



1. Management and Control

1.1

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

Answer

No

Comment

The protozoal compliance log treatment requirement has not been determined for the Knockadoon water treatment plant.



2. Alarms, Inhibits & Oversight Audits 2025

2.1

Are there appropriate procedures covering verification of alarms and inhibits status following maintenance or other work on site?

Answer

No

Comment

There is no site specific procedure for the verification of alarm and inhibit status following maintenance or other work on site. This process is implemented but not formally documented.

Recommendations

Subject	Audit Recommendations Knockadoon PWS 24042025	Due Date	26/06/2025
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. 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.2. Ensure the procedure for the verification of alarm and inhibit status following the completion of works at the water treatment plant is documented. <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 26/06/2025 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>		