

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	Faha
Organisation	Uisce Éireann
Scheme Code	3100PUB1043
County	Waterford
Site Visit Reference No.	SV29597

Report Detail	
Issue Date	08/02/2024
Prepared By	Paul Buckley

Site Visit Detail			
Date Of Inspection	25/01/2024	Announced	Yes
Time In	11:00	Time Out	11:50
EPA Inspector(s)	Paul Buckley		
Additional Visitors			
Company Personnel	Uisce Éireann - Denis McGrath and Maura Phelan. Waterford City and County Council (working in partnership with Uisce Éireann) - Dave Whelan, James Power, and David Hourigan.		

> Summary of Key Findings

1. The audit found that the Faha Public Water Supply was operating satisfactorily on the day of the audit.
2. The Faha Public Water Supply is on the Uisce Éireann National pH file as it has persistent low pH (< 6.5 pH). The remedial works required to correct the pH issue have yet to be determined by Uisce Éireann.

> Introduction

The Faha Public Water Supply (PWS) supplies an average of 35 m³/day of water, serving a population of 125 people.

The source for the supply is a borehole located adjacent to the water treatment plant (WTP). Treatment consists of ultraviolet (UV) disinfection and chlorination. This is not reflective of the treatment types listed on the EPA EDEN website.

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 chlorine dosing system at the water treatment plant were inspected.



1. Source Protection

	Answer
1.1 Is the abstraction source(s) adequately protected against contamination?	No
Comment	
The area surrounding the dip tube was not adequately sealed.	



2. Protozoal Barriers Audits 2024

	Answer
2.1 Has UÉ identified the protozoal compliance log treatment requirement for the water treatment plant?	No
Comment	
The protozoal log treatment requirement has not been identified for the supply.	



3. Site Specific Issues

	Answer
3.1 Are final water pH results compliant with parametric values?	No
Comment	
<p>The Faha Public Water Supply (PWS) is on Uisce Éireann's National pH file due to persistent low pH. The pH noted for the final water during the audit was 5.78, which is less than the parametric value of 6.5.</p> <p>Uisce Éireann noted that operational sampling is ongoing and the remedial actions required will be determined following the conclusion of the sampling programme.</p>	

Recommendations

Subject	Faha Audit Recommendations 25012024	Due Date	08/03/2024
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 supply, and ii) provide details of how any protozoal log treatment deficit, if identified, will be addressed.2. Provide details of the remedial actions proposed to restore compliance with the pH parametric value.3. Ensure the borehole is adequately capped. Uisce Éireann should have regard to EPA Advice Note No. 14: Borehole Construction and Wellhead Protection when carrying out these works.4. Update EDEN with the correct treatment types in place at the water treatment plant. <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 08/03/2024 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>		