

# 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	
<b>Name of Installation</b>	Coolgreany
<b>Organisation</b>	Uisce Éireann
<b>Scheme Code</b>	3300PUB1460
<b>County</b>	Wexford
<b>Site Visit Reference No.</b>	SV29639

Report Detail	
<b>Issue Date</b>	08/10/2024
<b>Prepared By</b>	David O'Malley

Site Visit Detail			
<b>Date Of Inspection</b>	13/09/2024	<b>Announced</b>	Yes
<b>Time In</b>	13:30	<b>Time Out</b>	14:30
<b>EPA Inspector(s)</b>	Sean O'Leary David O'Malley		
<b>Additional Visitors</b>			
<b>Company Personnel</b>	Uisce Eireann: Denis McGrath and Martin Parayil Varghese, Wexford County Council (working in partnership with Uisce Éireann): John Breen, Barry Gammel and Tom McLoughlin		

## > Summary of Key Findings

1. The audit found that Coolgreany public water supply was operating satisfactorily on the day of the audit.
2. A source and sanitary survey should be completed by Uisce Éireann to confirm the 3 log protozoal treatment requirement for the water treatment plant.
3. Borehole 1 was not adequately capped or sealed to ensure that it is protected in accordance with EPA Advice Note No. 14: Borehole Construction and Wellhead Protection.

## > Introduction

The Coolgreany public water supply (PWS) supplies an average of 487 m<sup>3</sup> of water, serving a population of 1,031 (2024 EDEN). The source for the supply is two boreholes. Treatment consists of pH correction using caustic soda, chlorination disinfection and fluoride treatment. Treated water is pumped and stored in an off-site reservoir. 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 water treatment plant and the procedures in place to ensure appropriate oversight of treatment processes.

## > Supply Zones Areas Inspected

The two boreholes, caustic soda dosing system and the 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
<b>Comment</b>		
1. Borehole 1 was inadequately capped and sealed. A borehole level sampling point was open and unsealed therefore leaving the borehole vulnerable to contamination via surface water ingress.		



## 2. Management and Control

	Answer
2.1 Has the protozoal compliance log treatment requirement been identified for the water treatment plant?	No
<b>Comment</b>	
1. Uisce Éireann indicated that the supply has a 3 log treatment requirement subject to completion of a source and sanitary survey.	

## Recommendations

Subject	Audit Recommendations	Due Date	06/11/2024
<b>Action Text</b>	<p><b>Uisce Éireann is responsible for ensuring a clean and wholesome supply of drinking water and should implement the following recommendations without delay.</b></p> <ol style="list-style-type: none"><li>1. Complete (i) a Source and Sanitary Survey to confirm the log treatment requirement for the supply; (ii) provide a timeframe to address any treatment log deficit that exists.</li><li>2. Ensure that all boreholes are lined and sealed in accordance with EPA Advice Note No. 14: Wellhead Protection and Borehole Construction.</li></ol> <p><b>Actions required by Uisce Éireann</b></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 06/11/24 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>		