

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	Golden to Cashel Town
Organisation	Uisce Éireann
Scheme Code	3700PUB1041
County	Tipperary
Site Visit Reference No.	SV34908

Report Detail	
Issue Date	02/06/2026
Prepared By	Michelle Roche

Site Visit Detail			
Date Of Inspection	11/05/2026	Announced	Yes
Time In	10:15	Time Out	11:15
EPA Inspector(s)	Michelle Roche		
Additional Visitors			
Company Personnel	Uisce Éireann: Patrick Duggan, Noel Maher, Eamonn O'Gorman and James Riordan.		



Summary of Key Findings

1. There is no network chlorine residual monitoring programme in place to ensure that a minimum free chlorine residual of 0.1mg/l is present at all times in the distribution network. This residual is required to maintain adequate disinfection in the network and to customer taps.
2. Water quality trend data is not regularly reviewed to provide appropriate oversight of plant performance.

Uisce Éireann should submit a report to the EPA on or before 02/06/2026 detailing the actions taken and planned, with timescales, to close out the four recommendations in this audit report.



Introduction

Golden to Cashel public drinking water supply produces a volume of 2,210m³/day serving a population of 4,759 (EDEN Figures) from a spring collection chamber onsite at the water treatment plant. Treatment consists of UV primary disinfection and sodium hypochlorite secondary disinfection.

This audit was undertaken to assess Uisce Éireann's performance in producing clean and wholesome water with a focus on the operation of the plant.



Supply Zones Areas Inspected

The audit consisted of interviews with Uisce Éireann staff, a review of water quality trends and a review of operational procedures on site.



1.1

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

Answer

No

Comment

1. The protozoal log treatment requirement has not been identified for the spring source. The treatment plant is operating on a default Log 3 requirement, but no source and sanitary has been carried out.

2. No source protection zone has been delineated and it has been some time since local landowners have been written to regarding their proximity to a drinking water source.

Recommendation

1. Determine the protozoal log treatment requirement for the spring source and ensure appropriate treatment is in place to meet the log requirement.



2.1

Is there a suitable monitoring frequency for residual chlorine in the network with records available?

Answer

No

Comment

1. There is no routine monitoring in place for chlorine residuals in the distribution network to ensure a minimum free chlorine residual greater than 0.1mg/l is maintained at all times.

Recommendation

2. Ensure chlorine residuals are monitored at a minimum frequency of 2-3 times per week in the distribution network to ensure that at least 0.1 mg/l free residual chlorine is present at the extremities of the network.

2.2

Are suitable controls in place to prevent accidental or unauthorised changes to alarm or inhibit settings?

Answer

Yes

Comment

1. Alarm and inhibit settings can be changed on the HMI onsite. The HMI is password protected, but does not have the capability to capture an audit trail of changes to any settings.

Recommendation

3. Investigate the possibility of including an audit trail within the HMI to track any changes made to alarm or inhibit settings.

2.3

Is there appropriate oversight of plant performance?

Answer

No

Comment

1. Water quality trend data is not regularly reviewed to provide appropriate oversight of plant performance.

2. Plant supervisors receive a daily report of any alarm and inhibit settings that have been triggered in the previous 24hours.

3. Water quality trends are reviewed if any alarm and inhibit settings are triggered or if any other incident is reported to plant supervisors.

Recommendation

4. Ensure that continuous water quality trends are reviewed regularly by operational staff and used to actively inform the processes on site and identify maintenance needs.

Recommendations

Actions required by Uisce Éireann

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.

Uisce Éireann is responsible for ensuring a clean and wholesome supply of drinking water and should implement the recommendations raised in this report without delay.

Response to Audit Report

Uisce Éireann should submit a report to the EPA on or before the date specified in the Summary of Key Findings detailing the actions taken and planned, with timescales, to close out the recommendations in this audit report.

The EPA advises that the findings and recommendations from this report should, where relevant, be addressed at other public water supplies.

Publication of Reports

Audit reports are published to the EPA's website, www.epa.ie, typically 1 month after the audit report is issued to Uisce Éireann.