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	Glynn
Organisation	Uisce Éireann
Scheme Code	3300PUB1507
County	Wexford
Site Visit Reference No.	SV32081

Report Detail

Issue Date	25/02/2025
Prepared By	Sean O'Leary

Site Visit Detail

Date Of Inspection	06/02/2025	**Announced**	No
Time In	12:05	**Time Out**	12:40
EPA Inspector(s)	Sean O'Leary		
Additional Visitors	Pauline Gillard Chris Fennell Noel Cosgrove Anna Doyle		
Company Personnel	Uisce Éireann: Edward Doyle, Dennis McGrath Wexford County Council: Jonathan Galavan (working in partnership with Uisce Éireann)		

Summary of Key Findings

1. Disinfection consists of chlorination. The audit found that the disinfection system was operating satisfactorily during the inspection.

Introduction

The Glynn WTP produces approximately 60 m3/d of water serving a population 187 (EDEN figures). The audit focused on the disinfection system at Glynn WTP.

Supply Zones Areas Inspected

This audit assessed the chlorination disinfection system at Glynn WTP.

1. Disinfection Audits 2025

		Answer
1.1	Is chlorination used for primary disinfection?	Yes

		Answer
1.2	Did Uisce Éireann confirm the type of chlorine disinfectant in use?	Yes

Comment

1. 5% Sodium Hypochlorite confirmed.

		Answer
1.3	Are there duty and standby chlorine dosing pumps in place?	Yes

		Answer
1.4	Is there automatic switchover in the event of failure of one of the chlorine dosing pumps?	Yes

		Answer
1.5	Is the chlorine dosing rate fixed?	Yes

		Answer
1.6	Is there a continuous residual chlorine monitor, with alarm, to verify chlorine dosing is taking place at the target level?	Yes

Comment

1. One monitor at the plant and one monitor after contact time. A trim system connects both monitors to adjust dosing.

		Answer
1.7	Is there a continuous residual chlorine monitor, with alarm, at a suitable sample location after contact time has been completed?	Yes

		Answer

1.8	Can data trends from the online residual monitor be viewed on site?	Yes

		Answer
1.9	Are there low and high chlorine alarm settings on each chlorine monitor?	Yes

		Answer
1.10	Is there a documented alarm response procedure for responding to chlorine alarms?	Yes

		Answer
1.11	Have staff been trained on the chlorine alarm response procedure?	Yes

		Answer
1.12	Are chlorine alarms dialled out via a cascade system to allow a timely response by plant operators?	Yes

		Answer
1.13	Is there automatic shutdown of the supply in the event of the chlorine level dropping below the low level or rising above the high chlorine alarm setting?	Yes

		Answer
1.14	Are service due / monitoring instrument calibration dates for the chlorine monitors within date?	Yes

		Answer
1.15	Is the site specific target contact time being achieved?	Yes

		Answer
1.16	Is the residual chlorine level ≥ 0.1 mg/l at the extremity of the distribution network?	Yes

		Answer
1.17	Is monitoring of network residual chlorine undertaken several times per week?	No
	Comment	

1. Monitoring of network residual chlorine undertaken weekly or fortnightly.

Recommendations

Subject	Audit Recommendations	**Due Date**	25/03/2025
Action Text	**Uisce Éireann is responsible for ensuring a clean and wholesome supply of drinking water and should implement the following recommendation without delay.** 1. Ensure monitoring of residual chlorine is undertaken several times a week at different points of the network to include the network extremities. **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 should submit a report to the EPA on or before 25/03/25 detailing the actions taken and planned, with timescales, to close out the above recommendations. The EPA advises that the findings and recommendations from this audit report should, where relevant, be addressed at other public water supplies.		