

# 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     | Grenagh       |
| Organisation             | Uisce Éireann |
| Scheme Code              | 0500PUB3206   |
| County                   | Cork          |
| Site Visit Reference No. | SV31965       |

| Report Detail |                |
|---------------|----------------|
| Issue Date    | 18/12/2025     |
| Prepared By   | David O'Malley |

| Site Visit Detail   |  |           |       |
|---------------------|--|-----------|-------|
| Date Of Inspection  | 12/11/2025   | Announced | Yes   |
| Time In             | 12:00  | Time Out  | 13:15 |
| EPA Inspector(s)    | David O'Malley   |           |       |
| Additional Visitors |  |           |       |
| Company Personnel   | Uisce Éireann: Claire Hurley, Sharon O'Dwyer, Hassan Shabbir, Denis McCarthy.<br>Cork County Council (working in partnership with Uisce Éireann): Padraig Griffin. |           |       |

## > Summary of Key Findings

1. The final water pH correction dosing system at Grenagh Public Water Supply has been out of operation since the 07/11/2025.
2. The audit found that the chlorine monitor at the dosing point in the Grenagh Public Water Supply was out of operation for approximately 6 years.

## > Introduction

The Grenagh Public Water Supply (PWS) serves a population of 1068 and produces 353 m3/day. Raw water is sourced from 4 boreholes which is pumped to the water treatment plant (WTP). Treated water is pumped and stored in an on-site reservoir. Treatment consists of pH adjustment by sodium hydroxide and chlorination.

## > Supply Zones Areas Inspected

The pH adjustment system and the chlorine dosing system at the water treatment plant were inspected.



## 1. Incident Management

1.1

Was the incident suitably alerted to the plant operators, escalated and managed in order to maintain water quality and protect public health?

**Answer**

No

**Comment**

1. On the 12/11/2025 Uisce Éireann submitted an incident notification in relation to the suspension of pH correction at the Granagh WTP. Uisce Éireann stated that due to the unsuitable sample location for pH probes resulted in lack of control of pH dosing and incorrect pH readings since 07/11/2025.

2. The chlorine monitor at the chlorine dosing point (CL001) is not operational. Uisce Éireann stated that due to a change in the sampling location following a disinfection upgrade in 2019, the revised sampling point has resulted in inaccurate chlorine residual readings. There is a chlorine monitor after the reservoir to verify chlorine contact time.



## 2. Management and Control

2.1

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

**Answer**

No



### 3. Alarms, Inhibits & Oversight Audits 2025

3.1

Is there a documented site specific incident response and incident escalation process?

**Answer**

No

**Comment**

1. The documented site specific incident response did not include pH parametric value set points.

3.2

Were online monitors operational?

**Answer**

No

**Comment**

## Recommendations

| Subject     | Audit recommendations  | Due Date | 19/01/2026 |
|-------------|--|----------|------------|
| Action Text | <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. Provide an action plan and timelines for reinstating the pH correction system and the chlorine monitor.</li><li>2. Provide an action plan and timelines for reinstating the chlorine monitor at chlorine dosing point.</li><li>3. 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>4. Ensure the documented site specific incident response includes pH parametric value set points.</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 19/01/2026 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> |          |            |