

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 | Crossmolina PWS |
| Organisation | Uisce Éireann |
| Scheme Code | 2200PUB1013 |
| County | Mayo |
| Site Visit Reference No. | SV34818 |

| Report Detail | |
|--------------------|--------------|
| Issue Date | 27/02/2026 |
| Prepared By | Sean O'Leary |

| Site Visit Detail | | | |
|----------------------------|---|------------------|-------|
| Date Of Inspection | 10/02/2026 | Announced | Yes |
| Time In | 10:30 | Time Out | 12:15 |
| EPA Inspector(s) | Sean O'Leary Mary Grimes | | |
| Additional Visitors | | | |
| Company Personnel | Uisce Éireann: Ann Browne, Paul Thomas, Siobhán Sheridan and Seán Keane | | |

> Summary of Key Findings

1. The contact time verification chlorine monitor does not have critical automatic shutdowns for low or high chlorine levels at the treatment plant. Automatic shutdowns are required to prevent inadequately treated water entering supply.
2. During the audit significant levels of water were noted in a manhole at the inflow pipework near the point of chlorine dosing.
3. There is no documented site specific alarm response procedure in place at the treatment plant.

Uisce Éireann should submit a report to the EPA on or before 27/03/2026 detailing the actions taken and planned, with timescales, to close out any recommendations in this audit report.

> Introduction

The Public Water Supply (PWS) supplies an average of 651 m³/day of water, serving a population of 1,175.

The source for the supply is the Moylough spring. Treatment consists of chlorination only.

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 (WTP).

> Supply Zones Areas Inspected

The spring source, chlorination dosing system, and pumps at the water treatment plant were inspected.



1. Alarms, Inhibits & Oversight Audits 2026

| | Answer |
|--|---|
| 1.1 | Are suitable plant shutdowns/inhibits in place to prevent inadequately treated water entering the distribution network? |
| | No |
| Comment | |
| 1. Uisce Éireann confirmed that the chlorine monitor used for contact time verification does not have associated automatic plant shutdown for high or low residual chlorine levels at the water treatment plant. | |
| Recommendation: | |
| 1. Install automatic shutdown linked to high and low chlorine setpoints at the residual chlorine monitoring contact time validation point. | |

| | Answer |
|---|--|
| 1.2 | Is there a documented procedure for responding to specific alarms? |
| | No |
| Comment | |
| 1. Uisce Éireann confirmed there was no specific alarm response procedure. | |
| Recommendation: | |
| 1. Ensure that: (i) a formal site specific alarm response procedure is in place at the treatment plant and (ii) provide training to relevant staff (including relief and temporary staff) on the requirements of the alarm response procedure | |



2. Site Specific Issues

| | Answer | |
|---|--|----|
| 2.1 | Is all pipework suitably maintained to avoid leakage at the treatment plant? | No |
| Comment | | |
| <p>1. During the audit significant levels of water were noted in a manhole at the inflow pipework near the point of chlorine dosing.</p> <p>2. An iron pipe coupler showed significant corrosion, no raw water infiltration was identified entering into the pipework.</p> <p>Recommendation:</p> <p>1. Carry out works to reduce water ingress into the manhole to protect the inflow pipeline between the pumphouse and the spring source.</p> | | |

| | Answer | |
|--|--|----|
| 2.2 | Is the abstraction source(s) adequately protected against contamination? | No |
| Comment | | |
| <p>1. The spring is located beside grass fields which are used for agricultural purposes. Uisce Éireann were unable to confirm if landowners were written to in relation to their obligations under the European Union (Good Agricultural Practice for Protection of Waters) Regulations 2022, as amended.</p> <p>Recommendation:</p> <p>1. Liaise with Mayo County Council and confirm that relevant landowners have been written to in relation to their obligations under the European Union (Good Agricultural Practice for the Protection of Waters) 2022, as amended.</p> | | |

| | Answer | |
|--|--|----|
| 2.3 | Is the residual chlorine level ≥ 0.1 mg/l at the extremity of the distribution network? | No |
| Comment | | |
| <p>1. Network monitoring records viewed on the day of the audit confirmed residual chlorine level below 0.1 mg/l were present at the extremity of the distribution network at the Lough Conn sampling point.</p> <p>2. Uisce Éireann confirmed the Lough Conn sampling point at present has no consumers within the vicinity.</p> <p>Recommendation:</p> <p>1. Review current residual chlorine level sampling points to ensure they accurately represent the existing network.</p> <p>2. Ensure that residual chlorine is monitored within the network, including extremities, several times per week to ensure a minimum residual chlorine of 0.1 mg/l is maintained.</p> | | |

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.