

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	New Ross
Organisation	Uisce Éireann
Scheme Code	3300PUB1589
County	Wexford
Site Visit Reference No.	SV34923

Report Detail	
Issue Date	25/08/2026
Prepared By	David O'Malley

Site Visit Detail			
Date Of Inspection	30/07/2026	Announced	Yes
Time In	10:25	Time Out	11:45
EPA Inspector(s)	David O'Malley Hisham Ahmed		
Additional Visitors			
Company Personnel	Uisce Éireann: Gary Grinsell, John Redmond, Paddy Byrne, Bríd Whelan and Padraig Lyng.		

> Summary of Key Findings

1. The Castlemoyle Water Treatment Plant was operating satisfactorily on the day of the audit.
2. There was no site specific documented alarm response procedure at the treatment plant.

Uisce Éireann should submit a report to the EPA on or before 24/09/2026 detailing the actions taken and planned, with timescales, to close out the five recommendations in this audit report.

> Introduction

The New Ross Public Water Supply (PWS) serves a population of 8,515 and produces on average 3,241 m³/day (EDEN 2026). The supply is sourced from two locations: Dranagh mountain stream and Poulmonty lowland stream. Water from both sources is blended in a balance tank located at Ballyleigh and treatment takes place at the Castlemoyle Water Treatment Plant (WTP).

Treatment includes pH conditioning, coagulation, flocculation, dissolved air flotation filtration (DAFF), fluoridation, final pH correction, primary disinfection by chlorination, ultraviolet disinfection and sludge treatment.

> Supply Zones Areas Inspected

The chemical dosing points, dissolved air flotation filtration (DAFF), chlorine dosing system and ultraviolet disinfection system were inspected.



1.1

Is there a documented alarm response procedure?

Answer

No

Comment

1. Uisce Éireann confirmed that there is no site specific documented alarm response procedure.

Recommendations:

1. Ensure that (i) a formal documented site-specific alarm response procedure is in place at the water treatment plant and (ii) provide training to relevant staff (including relief and temporary staff) on the requirements of the alarm response procedure.

1.2

Are instrument calibrations within date?

Answer

No

Comment

1. The UV disinfection unit was serviced by a contractor on the 27/05/2026. The service company did not display a label with the date of calibration and the next due date for calibration on the unit.

Recommendations:

2. Ensure service/calibration stickers with appropriate service interval dates are affixed to the UV unit.



2. Site Specific Issues

2.1

Is there an automatic cleaning unit in place to regularly clean the UV lamp sleeves?

Answer

No

Comment

1. There is no UV wiper for automatic cleaning of the lamps in the UV disinfection unit.

Recommendations:

3. Install a UV wiper with automatic cleaning for the lamps.

2.2

Is the raw water UVT monitor installed and commissioned?

Answer

No

Comment

1. The raw water UVT monitor has been installed, but Uisce Éireann are waiting for a part to complete commissioning of the monitor.

Recommendations:

4. Complete installation of the UVT monitor and trend on SCADA and put in place appropriate alarms and inhibits.

2.3

Are the filters designed and managed in accordance with EPA guidance?

Answer

No

Comment

1. Backwashing of the DAFF media filters takes place every 48 hours in the summer and every 24 hours in the winter. Backwashes are also triggered by high turbidity. Uisce Éireann stated that the media depth is 800mm and has not been changed since 2013. It has been inspected twice over the last seven to eight years.

Recommendations:

5. Undertake an assessment of the condition and depth of the DAFF filter media and undertake any works required.

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.