

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	Kilkenny City (Troyswood) PWS
Organisation	Uisce Éireann
Scheme Code	1500PUB1011
County	Kilkenny
Site Visit Reference No.	SV34874

Report Detail	
Issue Date	17/06/2026
Prepared By	David O'Malley

Site Visit Detail			
Date Of Inspection	25/05/2026	Announced	Yes
Time In	10:30	Time Out	12:30
EPA Inspector(s)	David O'Malley Sarah O'Connor		
Additional Visitors	Stephen Dempsey Emma Sinnott		
Company Personnel	Uisce Éireann: Denis McGrath, Roisin Kavanagh, Shane Aylward, Mark Phelan and Ollie Nolan. Kilkenny County Council (in partnership with Uisce Éireann): Denis Lawlor. Stantec Ireland Ltd. (consultant for Uisce Éireann): Connor Warner.		

> Summary of Key Findings

1. The audit found that Troyswood water treatment plant was operating satisfactorily on the day of the audit.
2. The UV disinfection units were outside their service/calibration service intervals.

Uisce Éireann should submit a report to the EPA on or before 17/06/2026 detailing the actions taken and planned, with timescales, to close out the three recommendations in this audit report.

> Introduction

The Kilkenny City (Troyswood) Public Water Supply (PWS) supplies an average of 10,111 m³/day of water, serving a population of 29,269 (EDEN 2025). The main source for the supply is the River Nore. Treatment consists of coagulation, flocculation, clarification (CFC) and rapid gravity filtration (RGF) followed by chlorination, pH correction via sodium hydroxide and fluoridation dosing. Treated water is pumped to an off site reservoir.

> Supply Zones Areas Inspected

The raw water intake, coagulation, flocculation, clarifiers, rapid gravity filters, sludge treatment, UV disinfection and chlorination systems were inspected.



1.1

Is there a documented alarm response procedure?

Answer

No

Comment

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

Recommendation:

1. Ensure that (i) a formal documented 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

2.1

Are there appropriate procedures covering verification of alarms and inhibits status following maintenance or other work on site?

Answer

No

Comment

1. Uisce Éireann confirmed that there was no site specific procedures covering verification of alarms and inhibits status following maintenance or other work on site.

Recommendation:

2. Ensure that (i) a formal documented site-specific procedure covering verification of alarms and inhibits status following maintenance or other work on site is in place at the treatment plant and (ii) provide training to relevant staff (including relief and temporary staff) on the requirements of the procedure.

2.2

Are service/calibration dates for the UV units within date?

Answer

No

Comment

1. The two UV units were outside their service/calibration service intervals.

Recommendation

3. Complete service/calibration on the UV disinfection units as required and ensure service/calibration stickers with appropriate service interval dates are affixed to the UV units.

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.