

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	Dundrum Regional
Organisation	Uisce Éireann
Scheme Code	2900PUB0113
County	Tipperary
Site Visit Reference No.	SV34913

Report Detail	
Issue Date	02/06/2026
Prepared By	Michelle Roche

Site Visit Detail			
Date Of Inspection	11/05/2026	Announced	Yes
Time In	13:30	Time Out	15:00
EPA Inspector(s)	Michelle Roche		
Additional Visitors			
Company Personnel	Uisce Éireann: Bríd Whelan, Noel Maher, Eamonn O'Gorman and John Lonergan.		

> Summary of Key Findings

1. There is no immediate operational response (automatic backwash or automatic shutdown) in place on the rapid gravity filters should filter turbidity go above 0.3 NTU.
2. There is no run to waste facility on the rapid gravity filters in the event of elevated filter turbidity above 0.3 NTU, or following backwash.
3. Filter upgrades are scheduled to take place over the Summer months which will include installation of run to waste and automatic shutdown on individual filters.

Uisce Éireann should submit a report to the EPA on or before 02/06/2026 detailing the actions taken and planned, with timescales, to close out the three recommendations in this audit report.

> Introduction

Dundrum Regional supplies a volume of 2,835 to a population of 3,988 from the Multeen River located in close proximity to the water treatment plant. Treatment includes pH correction, coagulation with aluminum sulphate, clarification in 3 no. clarifiers, filtration across 3 no. rapid gravity filters, pH adjustment and chlorination with sodium hypochlorite.

The audit was undertaken to assess Uisce Éireann's performance in producing clean and wholesome water with a focus on the operation of the plant.

> Supply Zones Areas Inspected

The audit consisted of interviews with Uisce Éireann staff, a review of water quality trends and a review of operational procedures on site.



1.1

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

Answer

No

Comment

1. There is no immediate operational response (automatic backwash or automatic shutdown) in place on the 3 no. rapid gravity filters should filter turbidity go above 0.3 NTU. Individual filter turbidity should be maintained below 0.3 NTU at all times in accordance with the EPA *Water Treatment Manual: Filtration*.

2. There is no run to waste facility on the rapid gravity filters in the event of elevated filter turbidity above 0.3 NTU, or following filter backwash. There is no slow start in place following filter backwash.

3. Filter upgrades are scheduled to take place over the Summer months which will include installation of run to waste and automatic shutdown on individual filters. This work is scheduled to be complete by September 2026.

4. In the interim there are turbidity alarms on individual filters at 0.27 NTU, and there is an automatic shutdown based on combined filter water turbidity at 0.3 NTU.

5. Filter turbidity trends for the previous 48 hours prior to the audit were viewed at the water treatment plant on the day of the audit. All filter turbidity trends were below 0.3 NTU for that period.

Recommendation

1. Complete filter upgrade works and ensure filters are operated in accordance with the EPA *Water Treatment Manual: Filtration*.



2.1

Is there a suitable monitoring frequency for residual chlorine in the network with records available?

Answer

No

Comment

1. Chlorine residual monitoring in the distribution network takes place approximately every two weeks, which is not frequently enough to check if a minimum free chlorine residual greater than 0.1mg/l is maintained.

Recommendation

2. Monitor chlorine residuals at a minimum frequency of 2-3 times per week in the distribution network to ensure that at least 0.1 mg/l free residual chlorine is present at the extremities of the network.

2.2

Is there appropriate oversight of plant performance?

Answer

No

Comment

1. Water quality trend data is not regularly reviewed to provide appropriate oversight of plant performance.

2. Plant supervisors receive a daily report of any alarm and inhibit settings that have been triggered in the previous 24hours.

3. Water quality trends are reviewed if any alarm and inhibit settings are triggered or if any other incident is reported to plant supervisors.

Recommendation

3. Ensure that continuous water quality trends are reviewed regularly by operational staff and used to actively inform the processes on site and identify maintenance needs.

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.