

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	Fingal Zone 1
Organisation	Uisce Éireann
Scheme Code	0900PUB1001
County	Dublin
Site Visit Reference No.	SV33444

Report Detail	
Issue Date	09/01/2026
Prepared By	Michelle Roche

Site Visit Detail			
Date Of Inspection	16/12/2025	Announced	Yes
Time In	10:45	Time Out	11:50
EPA Inspector(s)	Michelle Roche		
Additional Visitors			
Company Personnel	Uisce Éireann: Conor Williams, Linda Doran, Conor Flanagan, Robert Roche, Tselo Tlou, Dominik Bohr, Derek Noud.		

> Summary of Key Findings

1. The New Plant at Leixlip Water Treatment Plant was operating satisfactorily at the time of the audit with good management oversight and standard operating procedures in place.

> Introduction

Leixlip Water Treatment Plant is the second largest water treatment plant in the country, which supplies water to approximately 650,000 people in the Greater Dublin Area. Raw water is abstracted from the River Liffey impoundment adjacent to the plant and is distributed to three separate water treatment buildings; Mahon and McPhillips and Paterson Candy International, which constitute the Old Plant and Aecom, known as the New Plant. Treatment is the same across the three plants and consists of screening, coagulation, flocculation, clarification, rapid gravity filtration, chlorination and fluoridation. There is the addition of ultraviolet disinfection at the old plant prior to chlorination.

The audit was conducted as a full audit of the New Plant with a focus on the alarms, inhibits and management oversight at the plant.

> Supply Zones Areas Inspected

The audit consisted of a walk through of the New Plant and a review of water quality alarm and inhibit set-points and water quality trends.



1. Management and Control

1.1

Is the plant suitably managed and controlled to maintain the designed log credit on each treatment stage?

Answer

Yes

Comment

1. The New Plant at Leixlip Water Treatment Plant was operating satisfactorily at the time of the audit. Critical water quality parameters including individual and final water turbidity and chlorine contact time were within the specified operational limits.

2. Appropriate management oversight was in place, including site specific incident response procedures and operational standard operating procedures.

Recommendations

Subject	Leixlip Audit Recommendations 2025 (New Plant)	Due Date	09/02/2026
Action Text	Uisce Éireann is responsible for ensuring a clean and wholesome supply of drinking water and should implement the following recommendations without delay. 1. Ensure that the clean and wholesome supply of drinking water is maintained and that Leixlip Water Treatment Plant continues to be suitably managed and operated at all times. 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 should submit a report to the EPA on or before 09/02/2025 detailing the actions taken and planned, with timescales, to close out the above recommendations. The EPA advises that the findings and recommendations from this audit report should, where relevant, be addressed at other public water supplies.		

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.