

# 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	
<b>Name of Installation</b>	Fingal Zone 1
<b>Organisation</b>	Uisce Éireann
<b>Scheme Code</b>	0900PUB1001
<b>County</b>	Dublin
<b>Site Visit Reference No.</b>	SV28325

Report Detail	
<b>Issue Date</b>	08/11/2023
<b>Prepared By</b>	Michelle Roche

Site Visit Detail			
<b>Date Of Inspection</b>	12/10/2023	<b>Announced</b>	Yes
<b>Time In</b>	11:10	<b>Time Out</b>	12:45
<b>EPA Inspector(s)</b>	Michelle Roche		
<b>Additional Visitors</b>			
<b>Company Personnel</b>	Uisce Éireann: Edward Haythronthwaite, Daniel Behan, Conor Williams. Fingal County Council (operating in partnership with Uisce Éireann): Thomas Brennan, Derek Noud		

## > Summary of Key Findings

1. Uisce Éireann has not complied with the EPA's Regulation 16(2) Direction, issued on 16/04/2021, which required Uisce Éireann to complete the upgrade works to the coagulation, flocculation and clarification (CFC) process at Leixlip Water Treatment Plant by 30/06/2023.
2. Uisce Éireann are progressing works to complete the CFC upgrades with an estimated completion date of Quarter 3, 2024.

## > Introduction

Leixlip water treatment plant is the second largest water treatment plant in the country, which supplies water to approximately 622,000 people in the Greater Dublin Area. Raw water is abstracted from the River Liffey impoundment adjacent to the plant. Treatment consists of screening, coagulation, flocculation, clarification, rapid gravity filtration, chlorination and fluoridation.

An EPA Direction was issued to Uisce Éireann on 16/04/2021 under Regulation 16(2), directing them to complete the upgrade works to the coagulation, flocculation and clarification (CFC) process at Leixlip Water Treatment Plant by 30/06/2023. Uisce Éireann advised the EPA in September 2021 of a revised project completion date of Quarter 3 2024 which goes beyond the deadline of 30/06/2023 stated in the Direction.

The purpose of this audit was to determine progress with the CFC upgrades under the Regulation 16(2) Direction.

## > Supply Zones Areas Inspected

The audit consisted of interviews with Uisce Éireann and Fingal County Council staff and an inspection of the areas being upgraded under the CFC upgrade project.



## 1. Site Specific Issues

	Answer
1.1	Has Uisce Éireann complied with the Direction by the deadline 30/06/2023?
	No
<b>Comment</b>	
<p>1. Uisce Éireann has not complied with the EPA's Regulation 16(2) Direction issued on 16/04/2021, requiring that Uisce Éireann complete the upgrade works to the coagulation, flocculation and clarification (CFC) process at Leixlip Water Treatment Plant by 30/06/2023.</p> <p>2. Leixlip WTP has had a validated UV system in place as a protozoal barrier since May 2021.</p> <p>2. Uisce Éireann are progressing works to complete the CFC upgrades with an estimated completion date of Quarter 3, 2024.</p>	

## Recommendations

<b>Subject</b>	Leixlip WTP Direction Audit Recommendations	<b>Due Date</b>	31/03/2024
<b>Action Text</b>	<p><b>Uisce Éireann is responsible for ensuring a clean and wholesome supply of drinking water and should implement the following recommendation without delay.</b></p> <ol style="list-style-type: none"><li>1. Complete the upgrade works to the coagulation, flocculation and clarification (CFC) process at Leixlip Water Treatment Plant.</li></ol> <p><b>Actions required by Uisce Éireann</b></p> <p>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.</p> <p>The EPA advises that the findings and recommendations from this audit report should, where relevant, be addressed at other public water supplies.</p>		