

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	Inishowen West	
Organisation	Uisce Éireann	
Scheme Code	0600PUB1005	
County	Donegal	
Site Visit Reference No.	SV30675	

Report Detail	
Issue Date	10/01/2025
Prepared By	Elaine Greenan

Site Visit Detail			
Date Of Inspection	27/11/2024	Announced	Yes
Time In	11:00	Time Out	12:05
EPA Inspector(s)	Elaine Green	an	
Additional Visitors			
Company Personnel	Uisce Éireann: Yvonne McMonagle, Fionnuala Bonner. Donegal County Council (working in partnership with Uisce Éireann): Michael Barrett		

>

Summary of Key Findings

1. The audit found that the Inishowen West WTP was operating and performing well in providing clean and wholesome water to the public supply.

>

Introduction

The Inishowen West WTP produces approximately 2862.0 m3/d of water serving a population of 3,355 (EDEN 2024). The audit focused on the disinfection system at Inishowen West PWS.



Supply Zones Areas Inspected

1. The disinfection system was inspected.

1. Disinfection Audits 2024

	Answer
chlorination used for primary disinfection?	Yes
	Answer
id Uisce Éireann confirm the type of chlorine disinfectant in use?	Yes
omment	
0% Hypochorite	
	Answer
re there duty and standby chlorine dosing pumps in place?	Yes
	Answer
there automatic switchover in the event of failure of one of the chlorine dosing umps?	Yes
	Answer
the chlorine dosing rate flow proportional?	Yes
	Answer
there a continuous residual chlorine monitor, with alarm, to verify chlorine osing is taking place at the target level?	Yes
	Answer
there a continuous residual chlorine monitor, with alarm, at a suitable sample cation after contact time has been completed?	Yes
caller alter comact time had been completed.	
	Answer
an data trends from the online residual monitor be viewed on site?	Yes
	Answer
re there low and high chlorine alarm settings on each chlorine monitor?	
	Yes

	'	Answer
Is there a documented alarm response prodularms?	cedure for responding to chlorine	Yes
		Answer
Have staff been trained on the chlorine alar	m response procedure?	Yes
		Answer
Are chlorine alarms dialled out via a cascad plant operators?	de system to allow a timely response by	Yes
		A mayyar
	'	Answer
Is there automatic shutdown of the supply in dropping below the low level or rising above		Yes
		Answer
Are service due / monitoring instrument cali within date?	bration dates for the chlorine monitors	No
Are service due / monitoring instrument cali within date? Comment	ibration dates for the chlorine monitors	No
within date? Comment Certificates for the calibration dates of the calibration dates dates dated and the calibration dates dated dat	chlorine monitors were not available on the day	ay of the aud
within date? Comment Certificates for the calibration dates of the calibration dates attached to the chlorine monitors to	chlorine monitors were not available on the da o display when the units were last serviced ar libration.	ay of the aud
within date? Comment Certificates for the calibration dates of the calibration dates date date date date date date date date	chlorine monitors were not available on the da o display when the units were last serviced ar libration.	ay of the aud nd calibrated
Comment Certificates for the calibration dates of the calibration dates of the calibration dates of the calibration dates attached to the chlorine monitors to the date when the units are next due for calibration.	chlorine monitors were not available on the day display when the units were last serviced ar libration.	ay of the aud nd calibrated Answer
Comment Certificates for the calibration dates of the calibration dates of the calibration dates of the calibration dates attached to the chlorine monitors to the date when the units are next due for calibration.	chlorine monitors were not available on the day display when the units were last serviced are libration. achieved?	ay of the aud nd calibrated Answer Yes
Comment Certificates for the calibration dates of the calibration dates attached to the chlorine monitors to the date when the units are next due for calibrations. Is the site specific target contact time being	chlorine monitors were not available on the day display when the units were last serviced arbitration. achieved? mg. min/l being achieved?	ay of the aud nd calibrated Answer Yes Answer

A map showing the monitoring locations on the network was not available on the day of audit. No weekly or monthly records of residual chlorine monitoring of the network was available on day of audit.

		Answer	
1.18	Is monitoring of network residual chlorine undertaken several times per week?	Yes	

Recommendations

Subject	Disinfection Audit 2024	10/02/2025			
Action Text	Uisce Éireann is responsible for ensuring a clean and wholesome supply of drinking water and should implement the following recommendations without delay.				
	 Ensure that the chlorine monitors are regularly serviced and calibrated in accordance with the manufacturer's instructions. Certificates and photographic evidence to be forwarded to the EPA to verify that calibrations have been carried out. Forward map to the EPA showing the monitoring locations on the Inishowen West network, and evidence of weekly and monthly monitoring records of residual chorine at the different points of the network. This monitoring should include the network extremities. 				
	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 10/02/2025 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.				