

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	Moynalty
Organisation	Uisce Éireann
Scheme Code	2300PUB1015
County	Meath
Site Visit Reference No.	SV29590

Report Detail	
Issue Date	18/06/2024
Prepared By	Lorcan Farrell

Site Visit Detail			
Date Of Inspection	29/05/2024	Announced	No
Time In	10:30	Time Out	11:30
EPA Inspector(s)	Lorcan Farrell Noel Cosgrove		
Additional Visitors			
Company Personnel	Uisce Éireann: Daniel Behan, Jamie Blacoe. Meath County Council (Working in partnership with Uisce Éireann): Conor Grey, Norbert McMahon.		

> Summary of Key Findings

1. Moynalty Water Treatment Plant (WTP) was operating satisfactorily on the day of the audit.

> Introduction

Moynalty Public Water Supply serves a population of 194 (EDEN figure) and is supplied by Moynalty WTP. The treatment plant produces approximately 80-90 m³/day depending on demand and sources its water from a single borehole located in the vicinity of the treatment plant. Treatment consists of nitrate removal, UV disinfection and secondary chlorination.

The audit was undertaken to assess Uisce Éireann's performance in producing clean and wholesome water with a focus on the alarms and inhibits in place at the treatment plant and the procedures in place to ensure appropriate oversight of treatment processes.

> Supply Zones Areas Inspected

The audit included a site tour of Moynalty WTP.



1. Alarms, Inhibits & Oversight Audits 2024

		Answer
1.1	Is there a documented site specific incident response and incident escalation process?	Yes
Comment		
1. The warning alarm and shutdown setpoints based on the output of the nitrate monitor in place at the treatment plant were not included on the Uisce Éireann Water Incident Response Communication Response Guidance Form.		

		Answer
1.2	Is continuous monitoring located appropriately to verify treatment performance?	No
Comment		
1. The sample point for the turbidity monitor in place at the treatment plant is located before the nitrate removal filtration system. This sample location may not give a representative indication of filter performance or turbidity levels after a filter returns to service following a regeneration cycle.		

Recommendations

Subject	Moynalty Audit Recommendations	Due Date	18/07/2024
Action Text	<p>Uisce Éireann is responsible for ensuring a clean and wholesome supply of drinking water and should implement the following recommendations without delay.</p> <ol style="list-style-type: none">1. Include warning alarm and plant shutdown setpoints for nitrate at Moynalty WTP on the Uisce Éireann Water Incident Response Communication Response Guidance Form.2. Consider moving the turbidity monitor sample point to a position after the nitrate removal filtration system to reflect the turbidity levels in the final treated water leaving the plant. <p>Actions required by Uisce Éireann</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>Uisce Éireann should submit a report to the EPA on or before 18/07/2024 detailing the actions taken and planned, with timescales, to close out the above recommendations.</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>		