

# 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>	Monaghan
<b>Organisation</b>	Uisce Éireann
<b>Scheme Code</b>	2400PUB1024
<b>County</b>	Monaghan
<b>Site Visit Reference No.</b>	SV28105

Report Detail	
<b>Issue Date</b>	11/09/2023
<b>Prepared By</b>	Lorcan Farrell

Site Visit Detail			
<b>Date Of Inspection</b>	17/08/2023	<b>Announced</b>	No
<b>Time In</b>	10:30	<b>Time Out</b>	12:40
<b>EPA Inspector(s)</b>	Lorcan Farrell		
<b>Additional Visitors</b>			
<b>Company Personnel</b>	Uisce Éireann: Thomas Gibbons, Yvonne McMonagle. Monaghan County Council (Working in partnership with Uisce Éireann): John Paul McEntee, Oliver Murtagh, Dermot Skeath, Maria Smyth.		

## > Summary of Key Findings

1. The audit found that the Crosses Water Treatment Plant (WTP) was operating satisfactorily on the day of the audit.
2. There were a number of chemical dosing pumps that were outside their service/calibration intervals or were missing dates from the service/calibration stickers on the pumps.

## > Introduction

Monaghan Public Water Supply serves a population of 7,841 people (EDEN figure) and is supplied by Crosses WTP and Togan WTP. The audit covered Crosses WTP only which produces approximately 1,300-2,000 m<sup>3</sup>/day depending on time of year and demand. The treatment plant sources its water from eight boreholes of which three are in use. The remaining five boreholes have been taken out of service. Treatment at the plant consists of chlorination, and fluoridation.

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 Crosses WTP.



## 1. Alarms, Inhibits & Oversight Audits 2023

	Answer
1.1 Are there appropriate procedures covering verification of alarms and inhibits status following maintenance or other work on site?	No
<b>Comment</b>	
1. There are informal procedures covering verification of alarms and inhibits status following maintenance or other works carried out at the treatment plant. However, there is no formal procedure or system in place such as a tag in/tag out system or alarm/shutdown testing following completion of works on-site.	



## 2. Site Specific Issues

	Answer	
2.1	Were service/calibration due dates for chemical dosing pump within date?	No
<b>Comment</b>		
1. Both fluoride dosing pumps were outside their service/calibration service intervals and both sodium hypochlorite dosing pumps did not have dates written on the service/calibration stickers located on the pumps. Monaghan County Council staff confirmed that service/calibration was due to take place for both sets of pumps by the end of August 2023.		

	Answer	
2.2	Are inspection hatches at the treatment plant securely locked?	No
<b>Comment</b>		
1. The inspection hatches for the raw water intake chamber were closed but unlocked.		

## Recommendations

<b>Subject</b>	Monaghan PWS (Crosses WTP) Audit	<b>Due Date</b>	11/10/2023
<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(s) without delay.</b></p> <ol style="list-style-type: none"><li>1. Complete service/calibration on all chemical dosing as required and ensure service/calibration stickers with appropriate service interval dates are affixed to all chemical dosing pumps.</li><li>2. Develop an appropriate procedure covering the verification of alarms/shutdowns status following maintenance or other works completed at the treatment plant.</li><li>3. Ensure all inspection hatches at the treatment plant are securely locked when not in use.</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>Uisce Éireann should submit a report to the EPA on or before 11/10/2023 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>		