Site Visit Report



Under the *European Union (Drinking Water) Regulations 2014* as amended, 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 ZoneName of InstallationSouth Dublin Zone 3OrganisationUisce ÉireannScheme Code0800PUB1003CountyDublinSite Visit Reference No.SV27594

Report Detail

Issue Date	14/03/2023
Prepared By	Michelle Roche

Site Visit Detail

Date Of Inspection	20/02/2023	Announced	Yes	
Time In	11:00	Time Out	11:55	
EPA Inspector(s)	Michelle Roc	he		
Additional Visitors				
Company Personnel	Uisce Eirean	Uisce Eireann: Ed Haythornthwaite, Daniel Behan, Tselo Tlou		
	South Dublin County Council, working in partenership with Uisce Éireann: Peter Geoghegan, Derek Sargent, Declan O'Rourke and Joanne McCormack			ter

Summary of Key Findings

1) The Brittas borehole is not capped and the well head is below ground level. Uisce Éireann should improve the protection of the well in accordance with EPA Advice Note 14: *Borehole Construction and Wellhead Protection*.

2) South Dublin County Council operational staff had received the Uisce Éireann incident response training, however no site specific incident response procedure was displayed at the pumphouse.

3) The front lip of the concrete bunding surrounding the sodium hypochlorite day tank is chipped. The bund has not been integrity tested recently, however South Dublin County Council have submitted a request to Uisce Éireann for new bunding.

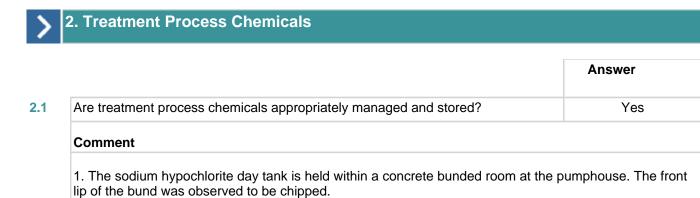


The South Dublin Zone 3 public water supply serves a population of 517 (EDEN figure) from the Brittas borehole in Brittas village, Couty Dublin. The supply operates based on network demand and treatment is chlorination only with sodium hypochlorite.



The Brittas borehole and chlorine dosing equipment at the pumphouse were inspected during the audit. Trend data was viewed on the HMI at the pumphouse.

s the abstraction sour	ce(s) adequately protected against contamination?	No
Comment		



2. The bund has not been integrity tested recently however South Dublin County Council advised that a request for new bunding has been submitted to Uisce Éireann for approval.

	Answer
Has the protozoal compliance log treatment requirement been identified for the water treatment plant?	No
Comment	
1. The protozoal log treatment requirement has not been identified for the supply.	
2. No <i>Cryptosporidium</i> monitoring is taking place on the supply however weekly finate being taken by Dublin City Laboratories and this includes <i>E. coli</i> monitoring.	al water samples a

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4. Alarms, Inhibits & Oversight Audits 2023

	Answer
Is there a documented site specific incident response and incident escalation process?	No
Comment	

2. No site specific Incident Response Procedure or contact details were displayed onsite on the day of the audit.

Subject	South	n Dublin Zone 3 Audit Recommendations	Due Date	14/04/2023	
Action Text		e Éireann is responsible for ensuring a clea should implement the following recommen			
	1.	Ensure the borehole is capped and investiga above ground level in accordance with EPA Wellhead Protection.			
	2.	Update and display the Uisce Éireann Incide Form with site specific information including levels protecting critical processes at the wa	contacts for esca	lation and relevant trigger	
	3.	Ensure suitable bunding is in place for the s	odium hypochlorit	e day tank.	
	4.	Confirm the log treatment requirement for th sanitary survey and submit a programme of			
	Actio	ons required by Uisce Éireann			
	Durin must	ng the audit, Uisce Éireann representatives we be taken by Uisce Éireann to address the issu	ere advised of the ues raised.	audit findings and that action	
	Uisce Éireann should submit a report to the EPA on or before 14/04/23 detailing the actions taken and planned, with timescales, to close out the above recommendations.				
		EPA advises that the findings and recommend ant, be addressed at other public water suppli		udit report should, where	