

Title of Report:	Drinking Water Quality Report for Northern Ireland 2023
Committee Report Submitted To:	Environmental Services Committee
Date of Meeting:	10th September 2024
For Decision or For Information	For Information
To be discussed In Committee	NO

Linkage to Council Strategy (2021-25)	
Strategic Theme	Healthy, Active and Engaged Communities
Outcome	To provide information on the quality of Drinking Water provided within the Borough in 2023
Lead Officer	Head of Health & Built Environment

Budgetary Considerations	
Cost of Proposal	N/A
Included in Current Year Estimates	N/A
Capital/Revenue	N/A
Code	N/A
Staffing Costs	N/A

Legal Considerations	
Input of Legal Services Required	NO
Legal Opinion Obtained	NO

Screening Requirements	Required for new or revised Policies, Plans, Strategies or Service Delivery Proposals.		
Section 75 Screening	Screening Completed:	Yes/No N/A	Date:
	EQIA Required and Completed:	Yes/No N/A	Date:
Rural Needs Assessment (RNA)	Screening Completed	Yes/No N/A	Date:
	RNA Required and Completed:	Yes/No N/A	Date:
Data Protection Impact Assessment (DPIA)	Screening Completed:	Yes/No N/A	Date:
	DPIA Required and Completed:	Yes/No N/A	Date:

1.0 Purpose of Report

1.1 The purpose of this report is to advise members of the 2023 Drinking Water Quality Report for the Council area provided by Northern Ireland Water (NI Water).

2.0 Background

- 2.1 NI Water have provided Council with the 2021 Drinking Water Quality Report for the Council area and is attached as Appendix 1.
- 2.2 The report provides information on water quality at Council level which is based on the percentage compliance from monitoring at customer taps (including supply points) over the water supply zones in the Borough.
- 2.3 Overall public drinking water quality remains high with 99.8% compliance reported.
- 2.4 The report details Capital Work Programmes affecting the council area which directly related to water quality during the reporting period.
- 2.5 The reports states NI Water have identified the need to deliver a significant volume of water mains rehabilitation and other works across its ageing network. The works are said to be necessary to ensure the efficient and cost-effective operation of its water supply system in the immediate future and longer term as well as ensuring adequate levels of water quality and customer supply. To achieve this goal, NI Water has implemented a Water mains Rehabilitation Framework, within which it undertakes work on a Northern Ireland wide basis as identified by the zonal study programme of work.
- 2.6 The report details 'Water Quality Events' that occurred during 2023 along with the actions taken in response. The report also provides commentary on each of the water supply zones within the Borough.

3.0 Recommendation

It is recommended that the report be noted.

**Drinking Water Quality Report for
Northern Ireland
2023**

Causeway Coast and Glens Borough Council

Water Quality by Northern Ireland Council Area

This local council report is designed to demonstrate water quality by individual council area based on the Percentage Compliance at Customer Tap (including Supply Points) over the water supply zones associated with that council area, as shown on the associated maps.

For monitoring purposes, NI Water's supply area is divided into water supply zones. These are areas serving not more than 100,000 people, each of which are normally supplied from a single water supply source or combination of sources. There are areas where owing to topography and dispersal of population, it is not practicable to provide a mains water supply. Currently over 99.9% of Northern Ireland's population receive public water supplies.

In a number of cases, water supply zones overlap council boundaries. The council reports indicate which water supply zones are wholly or partially contained within the council areas, including those zones that may have a relatively small area within the council area. Separation of data within these water supply zones across council boundaries is not practicable, therefore the information used in calculating the zonal and council compliance relates to the whole zone and not merely the part included within a council boundary. Following discussions with the Drinking Water Inspectorate, water supply zones with fewer than 40 properties within the council area have not been used to calculate the individual council compliance. The information is based on samples taken randomly from customer taps in each water supply zone and from planned samples at authorised supply points. Due to the nature of random sampling, there may be fluctuations in water quality across the water supply zones.

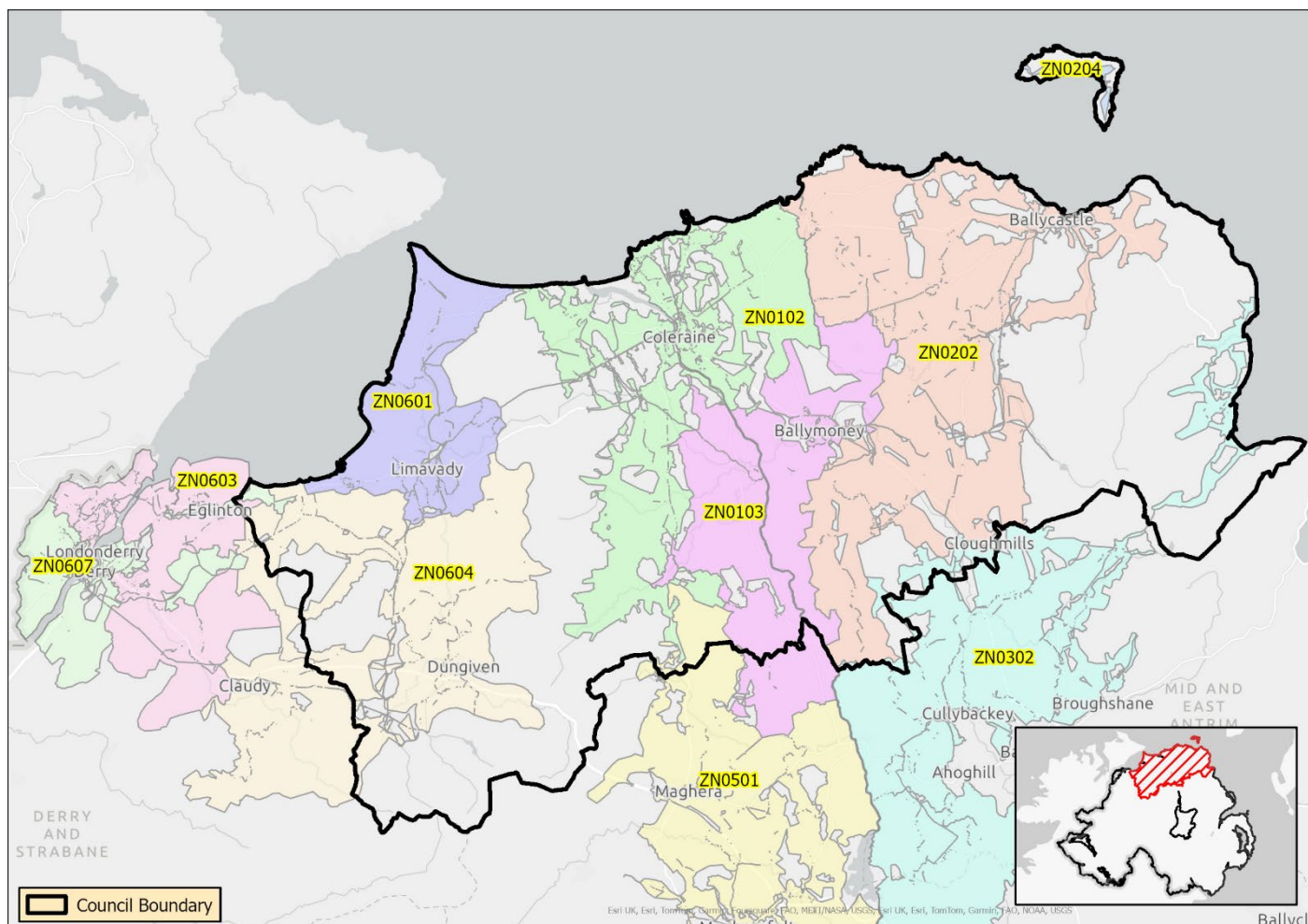
The report also details Capital Work Programmes affecting the council area, which directly related to water quality during the reporting period.

Small variations in water quality compliance performance occur across Northern Ireland. This reflects the need to continue to invest in and to maintain water treatment works, and to improve the water mains network.

A change to the Drinking Water Quality Regulations in 2017 resulted in a reduction of testing frequencies for some parameters at Authorised Supply Points for 2018 onwards. This has slightly lowered the percentage Compliance at Customer Tap at council level but has not affected the overall compliance.

NI Water has identified the need to deliver a significant volume of water mains rehabilitation and other works across its ageing network. The works are necessary to ensure the efficient and cost-effective operation of its water supply system in the immediate future and longer term as well as ensuring adequate levels of water quality and customer supply. To achieve this goal, NI Water has implemented a Water mains Rehabilitation Framework, within which it undertakes work on a Northern Ireland wide basis as identified by the zonal study programme of work.

Causeway Coast and Glens Borough Council



Percentage Compliance at Customer Tap (including Supply Points)

	Target	2018	2019	2020	2021	2022	2023
Northern Ireland Compliance	99.7%	99.8%	99.8%	99.9%	99.9%	99.9%	99.9%
Causeway Coast and Glens Compliance	99.7%	99.8%	99.8%	99.9%	99.7%	99.8%	99.8%

2023 water supply zones wholly or partially within the council area:

Zone Code	Zone Name	Zone Code	Zone Name
ZN0102	Ballinrees North	ZN0501	Moyola Magherafelt
ZN0103	Ballinrees South	ZN0601	Ballinrees Limavady
ZN0202	Altnahinch Bushmills	ZN0603	Carmony Eglinton
ZN0204	Rathlin Island	ZN0604	Caugh Hill Dungiven
ZN0302	Dungonnell Glarryford	ZN0607	Corrody Derry

2023 water quality Capital Works Programmes affecting the council area:

- Altnahinch Pilot Plant Study
- Altnahinch Treatability Improvements
- Antrim North WIIM 2.1 Work Package
- Backsyphonage at WTW
- Ballinrees WTW upgrade
- Caugh Hill Treatability Improvements
- Chlorine Station Base Maintenance
- Filter Media Trial Unit (Ballinrees WTW)
- Leakage Work package 2
- PC21 WIIM Super work package 3- Central

Pilot Plant Operations

Preparation of Initial Work packages for PC21

Professional Services - PC21 Watermains Rehabilitation, New and Replacement and First Time Services

Service Reservoir Inspection Programme – Electro Scanning Specialist Support

SR Rehab Programme PC21 Year 2

SR Rehab Programme PC21 Year 3

SR Rehabilitation

Water Efficiency and Innovation Support Services

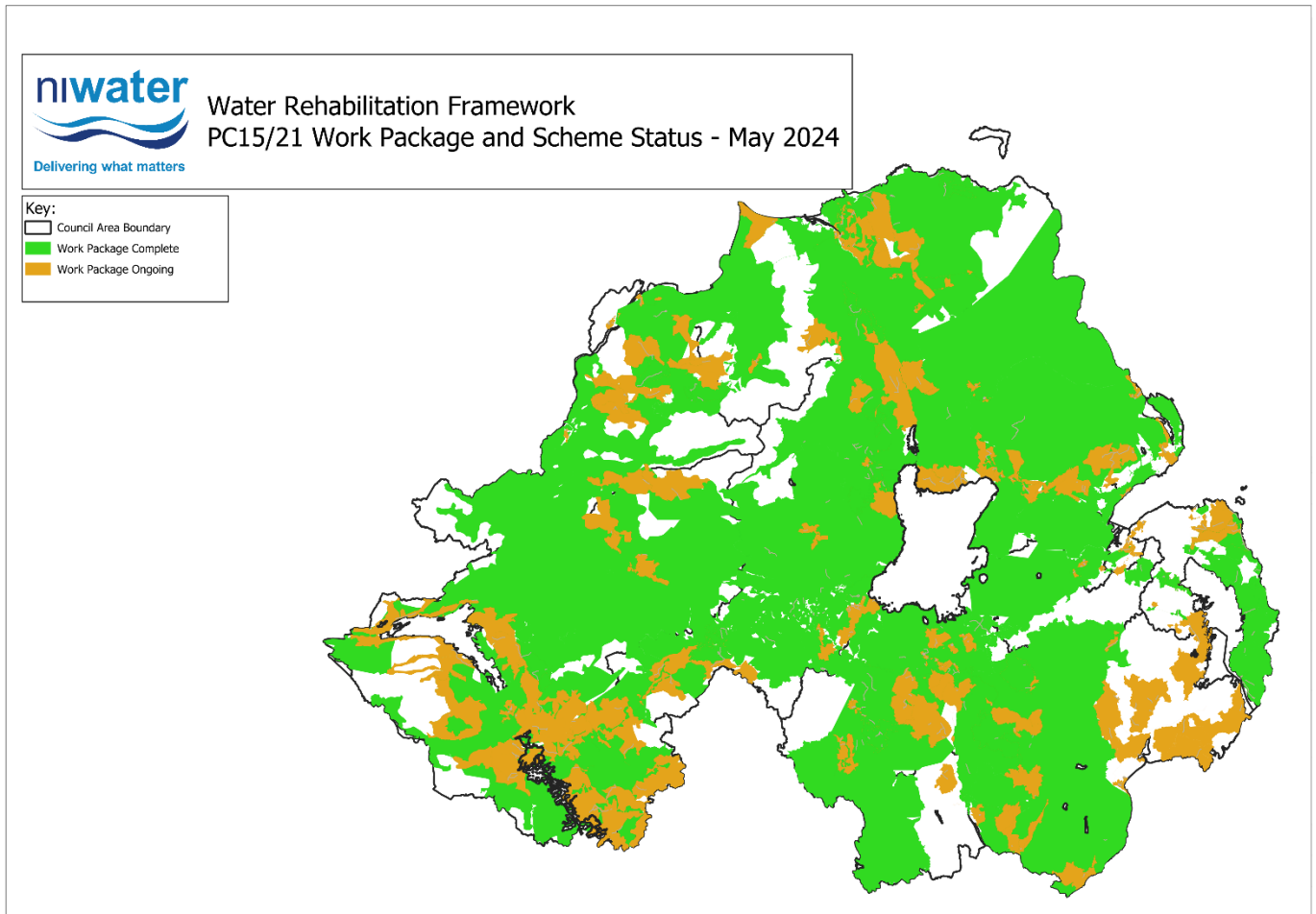
Watermains New - Lead Pipe Replacement Programme

WIIM Phase 2 Ballinrees Limavady WP

WTW Base Maintenance PC21 Year 1

WTW Base Maintenance PC21 Year 2

Water Mains Rehabilitation Framework Current Work Package Status



The map above shows the extent of the current Water Mains Rehabilitation Framework covering most of Northern Ireland. To assist clarity, whilst the council boundaries are shown, the individual councils are not named. Regions in white on the map are largely watercourses or upland areas that do not receive public water supply.

Water Quality Events

Serious Drinking Water Quality Events in 2023

Date of Serious Event	Area and Estimate of Population/ Properties Potentially Affected	Nature and Cause of Serious Event	Associated Council Area(s)
31/05/23 - 19/06/23	Northern Ireland (1.9 million)	High water demand in the network due to a period of hot and dry weather. A NI Water Category 2 Incident was declared. At its peak, water usage was approximately 20% higher than normal. Alternative water supplies including asset to asset tankering was required to maintain sufficiency of supply to customers.	All
26/07/23 – 15/12/23	Ballygowan SR (8,408 population)	A high level of consumer contacts regarding the taste and odour of the mains water supply in the area supplied by Ballygowan SR when it was returned to service following refurbishment. DWI issued questionnaires to consumers in relation to this event. The investigation is ongoing.	Ards and North Down Borough & Newry, Mourne & Down District
31/08/23 - 05/09/23	Westland SR (22,758 population)	The accidental closing of an outlet valve at Westland SR caused a loss of supply in North Belfast and Belfast City Centre. There were related water quality issues, predominantly discoloured water.	Belfast City
08/09/23 - 09/10/23	Moyola WTW (58,347 population)	A high level of consumer contacts regarding the taste and odour of the mains water supply and contraventions of the taste and odour parameters in the final water from Moyola WTW. As a follow-up to this event, DWI audited the controls in place to manage the blue/green algae risk in October 2023 and also audited Moyola WTW in January 2024. The investigation is ongoing.	Mid Ulster District

Significant Drinking Water Quality Events in 2023

Date of Significant Event	Area and Estimate of Population/ Properties Potentially Affected	Nature and Cause of Significant Event	Associated Council Area(s)
July 2019 - May 2023	Lough Bradan WTW (48,011 population)	Orthophosphoric acid (OP) is dosed at Lough Bradan WTW for plumbosolvency control. During this period, the dosing of OP was consistently below the required level and there were periods when no OP was dosed at all. However, no lead contraventions were reported. This event was notified in April 2023.	Fermanagh and Omagh District
19/01/23 - 23/01/23	Seagahan WTW (37,673 population)	A contravention of the aluminium parameter occurred in the works final water. There were no treatment issues identified at this time. Following an investigation, NI Water was unable to identify the cause of the contravention.	Armagh City, Banbridge and Craigavon Borough
22/01/23 - 2/01/23	Killylane WTW (48,323 population)	Elevated levels of aluminium, iron and turbidity occurred in the works final water due to treatment issues caused by a chemical dosing failure. Killylane WTW is included in DWI's Audit Schedule for 2024/25.	Mid and East Antrim Borough
09/02/23 - 13/02/23	Creevery Road, Antrim (21 properties)	Coliform bacteria contraventions recurred at four properties. On the advice of the Public Health Agency (PHA), "Boil Water before Use until Further Notice" advice was issued to four properties. However, 21 properties were potentially affected. The contraventions occurred after mains rehabilitation work in the area. DWI intends issuing a Warning Letter to NI Water in relation to this event.	Mid and East Antrim Borough
27/02/23 - 14/03/23	Drumaroad WTW (13,815 population)	Contraventions of the aluminium parameter above the Health Notification Values occurred at Derryhill and Tullybrannigan South SRs which are both supplied by Drumaroad WTW. There were no treatment issues identified at this time. DWI has enforcement in place to deal with this issue by April 2025.	Ards and North Down Borough & Newry, Mourne and Down District
06/03/23 - 14/03/23	Dorisland WTW (138,218 population)	A contravention of the aluminium parameter above the Health Notification Value occurred in the works final water. There were no treatment issue identified at this time. Following an investigation, NI Water was unable to identify the cause of the contravention.	Antrim and Newtownabbey Borough, Belfast City & Mid and East Antrim Borough
03/05/23 - 04/05/23	Clay lake WTW (9,857 population)	A problem with the sodium hypochlorite dosing system led to elevated chlorine levels above the Health Notification Value at Clay	Armagh City, Banbridge and Craigavon Borough

Date of Significant Event	Area and Estimate of Population/ Properties Potentially Affected	Nature and Cause of Significant Event	Associated Council Area(s)
		Lake WTW and in the related distribution system.	
09/05/23 - 17/05/23	Derg WTW (41,513 population)	<p>A contravention of the individual pesticide standard for MCPA occurred in the works final water. NI Water carried out a major upgrade to this works following DWI issuing a Regulation 31(4) Notice in respect of pesticide contraventions. However, the new treatment process was only partially operational at the time of this contravention. The new treatment process is now fully operational</p> <p>The risk for MCPA exceedances is due to the use of MCPA within the catchment area.</p>	Derry City and Strabane District & Fermanagh and Omagh District
22/05/23 - 23/05/23	Forked Bridge WTW (92,012 population)	<p>Contraventions of the aluminium and turbidity parameters occurred in the works final water. NI Water identified an issue with the sample point as the probable cause of the contraventions. Resamples taken were satisfactory.</p>	Armagh City, Banbridge and Craigavon Borough; Belfast City; Lisburn and Castlereagh City; Mid Ulster District; & Newry, Mourne and Down District
04/06/23 - 25/08/23	Ballinrees WTW (118,779 population)	<p>An earthy odour was detected in the works final water. There is a history of taste & odour issues in the Ballinrees final water. DWI has an enforcement in place to deal with this issue by December 2024. NI Water has undertaken a major upgrade of this works in response to this Notice.</p>	Causeway Coast and Glens Borough & Derry City and Strabane District
24/05/23 - 30/05/23	Carmoney WTW (55,858 population)	<p>A contravention of the individual pesticide standard for MCPA occurred in the works final water. Carmoney WTW has pesticide removal treatment in place which is normally effective at reducing MCPA levels to below the regulatory limit.</p> <p>The risk for MCPA exceedances is due to the use of MCPA within the catchment area</p>	Derry City and Strabane District
26/06/23 - 13/11/23	Caugh Hill WTW (79,316 population)	<p>Contraventions of the Total Trihalomethanes (THMs) parameter occurred in the works final water and the related distribution system. The treatment process was not optimised for organics removal at the time of this event. Improvement work in relation to THMs at Caugh Hill WTW is included in the PC21 work plan.</p>	Causeway Coast and Glens Borough & Derry City and Strabane District
27/06/23 - 27/07/23	Lakelands, Craigavon (3 properties)	<p>Contraventions of the odour parameter occurred in three properties at Lakelands, Craigavon. The most probable cause was due to heating oil contamination in the</p>	Armagh City, Banbridge and Craigavon Borough

Date of Significant Event	Area and Estimate of Population/ Properties Potentially Affected	Nature and Cause of Significant Event	Associated Council Area(s)
		ground, within the customer properties, affecting the water quality in private supply pipes. The affected consumers were notified of the issue. The quality of the public drinking water supply was satisfactory.	
03/07/23 - 06/07/23	Killylane WTW (48,323 population)	A contravention of the iron parameter above the Health Notification Value occurred in the works final water. There were no treatment issues identified at this time. Following an investigation, NI Water was unable to identify the cause of the contravention. Killylane WTW is included in DWI's Audit Schedule for 2024/25.	Mid and East Antrim Borough
02/08/23 - 29/08/23	Carmoney WTW (55,858 population)	<p>Contraventions of the Total Trihalomethanes (THMs) parameter occurred due to insufficient organics removal during water treatment and the related distribution system.</p> <p>Improvement work in relation to THMs at Carmoney WTW is included in the PC21 work plan.</p>	Derry City and Strabane District
09/08/23 - 15/08/23	Tullydagan Road, Lurgan (5 Properties)	Coliform bacteria contraventions recurred at four properties. On the advice of the PHA, "Boil Water before Use until Further Notice" advice was issued to two properties. The contraventions occurred after mains rehabilitation work in the area. The precise cause of the bacteriological contraventions was undetermined, but it is probable that cross contamination from a private water supply was at least part of the reason. The contraventions were not reflective of the water quality in the overall supply area.	Armagh City, Banbridge and Craigavon Borough
14/08/23 - 26/10/23	Ballinrees WTW supply through Glenlough SR (17,951 population)	Contraventions of the Total Trihalomethanes (THMs) parameter occurred at Glenlough SR and in the related distribution system. DWI has enforcement in place to deal with taste & odour and MCPA contraventions at Ballinrees WTW by December 2024. The additional treatment being installed should also reduce THM levels in the distribution system.	Causeway Coast and Glens Borough
21/08/23 - 29/08/23	Keady Road, Armagh (2 properties)	Coliform bacteria contraventions recurred at two properties. On the advice of the PHA, "Boil Water before Use until Further Notice" advice was issued to two properties. The contraventions occurred after mains rehabilitation work in the area. An operational networks audit is included in DWI's Audit Schedule for 2024/25.	Armagh City, Banbridge and Craigavon Borough

Date of Significant Event	Area and Estimate of Population/ Properties Potentially Affected	Nature and Cause of Significant Event	Associated Council Area(s)
17/09/23 - 22/09/23	Cullyrammer Road, Garvagh (3 properties)	Coliform bacteria contraventions recurred at three properties. On the advice of the PHA, "Boil Water before Use until Further Notice" advice was issued to the three properties. The contraventions occurred after operational activity to repair a burst main, and back siphonage from a private water supply.	Causeway Coast and Glens Borough
28/09/23 - 06/10/23	Station Road, Ballykelly (5 properties)	Coliform bacteria contraventions recurred at two properties. On the advice of the PHA, "Boil Water before Use until Further Notice" advice was issued to three properties. The contraventions occurred after operational activity to repair a leak. The most probable cause for this event was back siphonage from one of the affected properties.	Causeway Coast and Glens Borough
31/10/23 - 30/11/23	Inniskeeragh Cottages, Boa Island (8 properties)	A sample taken in relation to a consumer complaint was above the Health Notification Value for odour. Resamples were also unsatisfactory for odour. On the advice of PHA, "Do Not Use the Water from Your Taps" was issued to eight properties. The most probable cause was due to heating oil contamination in the ground, within a private development, affecting the water quality in a private supply pipe. The quality of the public drinking water supply was satisfactory.	Fermanagh and Omagh District
15/11/23 - 17/11/23	Altnahinch WTW (33,712 population)	Contamination of clarifiers by galvanising spray paint. The works was shutdown as a precaution. There were no issues with treatment post restart. Tankering and rezoning was used to maintain customer supplies while the treatment works was shutdown. Water Quality samples taken in relation to this event were satisfactory.	Causeway Coast and Glens Borough

After investigations during the reporting period, there were also five events categorised by DWI as "Minor", and seventeen events categorised as "Not Significant".

UNDERSTANDING YOUR WATER QUALITY RESULTS

Where the water quality standards come from

The water we supply for domestic use or food production must comply with the standards in The Water Supply (Water Quality) Regulations (NI) 2017, which incorporate European Union standards and more stringent UK national standards. These Regulations detail the acceptable levels of certain characteristics, elements and substances allowed in drinking water. Usually, this is a maximum level; but, occasionally, a minimum is also set (e.g. pH). This permissible level is known as the Prescribed Concentration or Value (PCV). Some of the regulatory levels are set for aesthetic reasons and not for health (e.g. Colour).

Where we sample

Samples are taken from our service reservoirs, water treatment works and taps in customers' homes. Every year, our accredited laboratories carry out over 100,000 sophisticated tests to ensure quality standards are met. The Drinking Water Inspectorate (DWI) within the Northern Ireland Department of Agriculture, Environment and Rural Affairs (DAERA) also independently audits these tests and issues a report each year on its findings. DWI ensures that NI Water meets more than 50 legal standards for drinking water quality to match water companies across the rest of the UK. The standards are strict and generally include wide safety margins. They cover: bacteria; chemicals, such as nitrates and pesticides; metals, such as lead; and how water looks and tastes.

What happens if a test fails?

If a sample fails a test, this does not necessarily mean the water is unsafe to drink. Sometimes, the water in our mains or pipes and in the neighbouring properties is good, but the failure is caused by the householder's own plumbing system. However, we take all failures of these standards very seriously and these are dealt with by a team of specialists. All failures are recorded, investigated and action is taken to resolve the problem. If the contamination is found to be due to the tap or internal plumbing, NI Water will inform the customer in writing of the reason for the failure so that they can take appropriate action. A copy of the letter is also provided to the Public Health Agency, the local Environmental Health Officer and the DWI.

All PCV failures are also reported externally to the DWI, respective health boards, Environmental Health departments, the Consumer Council for Northern Ireland (CCNI), DRD Water Policy Unit and the Utility Regulator (NAIUR).

Units of measurement

The units of measurement used in this factsheet are as follows:

- 1 milligram per litre (mg/l) is one part per million (ppm)
- 1 microgram per litre ($\mu\text{g/l}$) is 1 part per billion (or thousand million)
- NTU – Nephelometric turbidity units (for turbidity measurement)
- Pt/Co – Platinum-cobalt units Standard (for colour measurement)
- $\mu\text{S/cm}$ – micro siemens per centimetre (for conductivity measurement)

Concentration or value

Shown in three ways:

- **Min**(imum), the lowest result during the period
- **Mean**, the average of the results
- **Max**(imum), the highest result during the period.
- A '<' symbol means a result was less than the value at which a parameter can be detected.
- A '>' symbol means a result was greater than the range within which a parameter is normally detected.

Number of samples

- Total taken – the number of samples tested for each parameter
- Contravening – shows the number of samples that exceeded the PCV
- % of samples contravening PCV – the number of samples that contravened the PCV compared to the total number of samples taken expressed as a percentage.

INDIVIDUAL PARAMETERS / SUBSTANCES

Hardness

Total Hardness is normally caused by dissolved calcium and, to a lesser extent, magnesium in rocks through which the water has passed. In Northern Ireland, our water is predominantly soft to moderately soft or slightly to moderately hard. Hardness means you may have to use more soap when washing as hard water lathers less than soft water. It has not been proven to have adverse effects on health and is safe to drink. There is no standard specified in the current regulations. Dependent upon the origin and manufacturer of your dishwasher, you may require a specific parameter, such as Clarke degrees (a.k.a. English degrees) or French or German degrees. GH is general hardness, while KH is Carbonate, or temporary hardness.

pH (listed under 'Hydrogen Ion')

This is a scientific term used to describe the acidity or alkalinity of a fluid. We need to control the pH of water because:

- If water is too acidic, it may corrode metal pipes in the distribution system
- If water is too alkaline, it may cause deposits to form in the pipes. The standard is to keep water pH levels in the 6.5-9.5 range

Colour

The colour of drinking water is usually dependent on the presence of naturally- occurring dissolved organic matter. For example, the higher the peat content of a catchment, (e.g. the Mourne Catchment), the higher the level of colour in the raw water. However, colour may also be due to the presence of iron contributed by old cast-iron mains.

- PCV for colour is 20 mg/l Pt/Co.

Sometimes, the water coming out of the tap has a milky or cloudy appearance, which is usually caused by excess air dissolved in the water as micro bubbles. This is not harmful and, if the water is left to stand for a few minutes, it will clear from the bottom upwards (i.e. the bubbles of air rise to the top of the glass and escape).

Turbidity

Turbidity is caused by very fine insoluble materials that may be present in water. Levels are closely monitored during the treatment processes.

- PCV at the customer's tap is 4 NTU

Odour and taste

Customer complaints quite often relate to taste and odour. Quality control tests are carried out to measure the level of taste and odour and are performed by a specialist testing panel.

- PCV for each = Dilution Number >0

Conductivity

Conductivity is proportional to the dissolved solids content of the water and is often used as an indication of the presence of dissolved minerals, such as calcium, magnesium and sodium.

- PCV is 2500 μ S/cm at 20°C

Chlorine (Cl - listed under Free-Residual disinfectant)

Chlorine is added to water to ensure water is free from bacteria. When chlorine is added, not all of it is used up in the process. Some remains as 'free chlorine' to make sure the water remains safe as it passes through the distribution system.

No PCV is prescribed for chlorine in the regulations and these levels are set to ensure that a small concentration remains at the end of the distribution system to maintain customer safety.

***E. coli* and enterococci**

If present, these indicate a possible breach in the integrity of the water supply system. An effective treatment process will kill any organisms present.

PCV standards are:

- 0 /100ml for *E. Coli*
- 0 /100ml for Enterococci

Coliform bacteria

These are naturally present in the environment. Their presence may indicate a possible breach in the integrity of the supply system or contamination from the kitchen sink or taps.

Nitrite and nitrate (NO₂ and NO₃)

Normally only trace amounts of these compounds are found in water.

- PCV for nitrite = 0.5 mg NO₂/l
- PCV for nitrate = 50 mg NO₃/l

Chloride (Cl)

Chloride in water originates from natural sources such as mineral deposits. It can contribute to taste that may be unacceptable to customers if the standard is exceeded.

- PCV = 250 mg Cl/l

Fluoride (F)

NI Water does not add fluoride to any water supply in Northern Ireland. Fluoride can occur naturally in some raw water supplies at low levels.

- PCV = 1.5 mg F/l

Sulphate (SO₄)

Sulphate occurs naturally in water and originates from mineral deposits. High concentrations may give rise to taste problems and, in the long-term, damage pipe work.

- PCV = 250 mg SO₄/l

Copper (Cu)

Copper can occur naturally in some water sources, and is normally found in low concentrations in drinking water.

- PCV = 2 mg Cu/l

Iron (Fe)

This is one of the most abundant metals found naturally in surface and ground waters. After treatment, it is normally reduced to trace concentrations in drinking water. Increased levels can occur due to the corrosion of old cast-iron water mains. There is no known health risk associated with high iron concentrations, but staining of clothing in washing machines can occur.

- PCV = 200 µg Fe/l

Manganese (Mn)

Manganese occurs naturally in water. High concentrations of manganese in tap water may cause discolouration and possible staining of clothing in washing machines.

- PCV = 50 µg Mn/l

Aluminium (Al)

Aluminium can occur naturally in water within certain catchments. However, aluminium compounds are used in the treatment process to help remove impurities. Any aluminium compounds added during the treatment process are removed before the final treated water leaves the treatment works.

- PCV = 200 µg Al/l

Sodium (Na)

Sodium occurs naturally in trace amounts in water. High concentrations may impart a level of taste that is unacceptable to customers.

- PCV = 200 mg Na/l

Lead (Pb)

Lead is not normally present in water sources, but significant concentrations may be present at customers' taps if lead or copper pipes with lead joints have been used in the plumbing system. More information is available [here](#).

- PCV = 10 µg Pb/l

Trihalomethanes (THMs)

THMs occur in drinking water as by-products of the reaction of chlorine with naturally occurring dissolved organic materials. In drinking water, only four compounds out of the group of THMs have health significance, the most common of which is chloroform. The PCV is based on the sum of the concentrations of all four constituents.

- PCV = 100 µg/l

Other substances

In addition to those listed and explained above, we also test for substances such as hydrocarbons, pesticides and herbicides, phenols and organic carbon. We also carry out extensive monitoring of our supplies for cryptosporidium through sampling of raw and final treated water.

Home-brewers may be interested in the Calcium, Magnesium, Carbonate, Sodium, Sulphate, Chloride and pH levels of their water supply. If you cannot locate the information you require, please contact us at waterline@niwater.com

Zonal Commentaries and Public Registers

2023 WATER SUPPLY COMMENTARY

ZN0102 - Ballinrees North

The water supplied in this zone within the Causeway Coast and Glens council area complied with all the physical-chemical and microbiological standards laid down in the Water Supply (Water Quality) Regulations (Northern Ireland) 2017 except for the following parameter(s):-

Total coliforms – three exceedances

Total coliform exceedances are an indication of microbiological contamination. Exceedances can occur when there are problems with disinfection of the water supply or where the sample tap is contaminated. Most total coliform / E. coli exceedances are because of contamination of the customer tap. Investigation of these exceedances found that the water supply was satisfactory, and that the contamination was most likely related to the customer tap

2023 Public Register

WATER SUPPLY ZONE - ZN0102 - Ballinrees North

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
1,2 Dichloroethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
2,4-D	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
2,4-DB	ug/l	AS	8	8	0	0.000	< 0.016	< 0.016	< 0.016
Aluminium	ug Al/l	S	52	52	0	0.000	11.000	25.981	54.000
Ammonium	mg NH4/l	S	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Antimony	ug/l Sb	S	8	8	0	0.000	0.027	< 0.075	< 0.180
Arsenic	ug/l As	S	8	8	0	0.000	0.110	< 0.206	< 0.310
Asulam	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Bentazone	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Benzene	ug/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Benzo(a)pyrene	ug/l	S	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Boron	mg/l B	S	8	8	0	0.000	0.009	< 0.015	< 0.038
Bromate	ug BrO3/l	S	8	8	0	0.000	< 0.500	< 0.500	< 0.500
Bromoxynil	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Cadmium	ug/l Cd	S	8	8	0	0.000	< 0.042	< 0.084	< 0.300
Chloride	mg Cl/l	S	8	8	0	0.000	18.000	22.500	26.000
Chlorotoluron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Chlorpyrifos	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug/l Cr	S	8	8	0	0.000	< 0.260	< 0.366	0.670
Clopyralid	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	0.012
Clostridium perfringens (sulph red)	CFU/100 ml	AS	8	8	0	0.000	0.000	0.000	0.000
Colony Counts 22	CFU/1 ml	S	52	52	0	0.000	0.000	8.058	189.000
Colony Counts 37 (48hrs)	CFU/1 ml	S	52	52	0	0.000	0.000	2.000	56.000
Colour	mg/l Pt/Co	S	52	52	0	0.000	< 4.563	< 4.764	15.000
Conductivity	uS/cm 20 C	S	52	52	0	0.000	250.000	300.769	350.000
Copper	mg Cu/l	S	8	8	0	0.000	< 0.043	< 0.420	< 0.546
Cyanide	ug/l CN	AS	8	8	0	0.000	< 5.500	< 5.500	< 5.500
Dicamba	ug/l	AS	8	8	0	0.000	< 0.028	< 0.028	< 0.028
Dichlorprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Diflufenican	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Dimethenamid	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Diuron	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
E. coli	CFU/100 ml	S	180	180	0	0.000	0.000	0.000	0.000
Enterococci	CFU/100ml	S	8	8	0	0.000	0.000	0.000	0.000
Epoxiconazole	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Flufenacet	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fluoride	mg F/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Fluroxypyr	ug/l	AS	8	8	0	0.000	< 0.006	< 0.008	0.013
Free - Residual disinfectant	mg Cl/l	S	180	180	0	0.000	< 0.050	< 0.313	0.940
Glyphosate	ug/l	AS	8	8	0	0.000	< 0.008	< 0.009	0.020
Hydrogen Ion	pH value	S	52	52	0	0.000	6.890	7.385	7.750
Iron	ug/l Fe	S	52	52	0	0.000	5.000	33.063	170.000
Isoproturon	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Lead	ug Pb/l	S	8	8	0	0.000	< 0.090	< 0.093	< 0.095
Linuron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	52	0	0.000	0.740	2.446	14.000
MCPA	ug/l	AS	8	8	0	0.000	< 0.009	< 0.019	0.032
MCPB	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Mecoprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Mercury	ug per l	S	8	8	0	0.000	< 0.041	< 0.041	< 0.041
Metalaxyl	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Metamitron	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Metazachlor	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Metoxuron	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Metribuzin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Nickel	ug Ni/l	S	8	8	0	0.000	1.100	1.263	1.400
Nitrate	mg/l	S	8	8	0	0.000	2.400	3.313	4.200
Nitrate/Nitrite Formula		S	8	8	0	0.000	< 0.048	< 0.066	< 0.084
Nitrite	mg/l	S	8	8	0	0.000	< 0.030	< 0.030	< 0.030
Odour	Diln No	S	52	52	0	0.000	0.000	0.000	0.000
Oxamyl	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002

2023 Public Register

WATER SUPPLY ZONE - ZN0102 - Ballinrees North

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
PAH - Sum of four substances	ug/l	S	8	8	0	0.000	0.000	0.000	0.000
Pendimethalin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Pesticides - Total Substances	ug/l	AS	8	8	0	0.000	0.000	0.025	0.065
Phorate	ug/l	AS	8	8	0	0.000	< 0.009	< 0.009	< 0.009
Pirimicarb	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Propachlor	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Propiconazole	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Propyzamide	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Prothioconazole	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug/l Se	S	8	8	0	0.000	< 0.057	< 0.115	< 0.410
Sodium	mg Na/l	S	8	8	0	0.000	14.000	15.750	18.000
Sulphate	mg SO4/l	S	8	8	0	0.000	54.000	57.625	65.000
Taste	Diln No	S	52	52	0	0.000	0.000	0.000	0.000
Tebuconazole	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Tetrachloroethene/Trichloroethene - Sum	ug/l	S	8	8	0	0.000	< 0.770	< 0.770	< 0.770
Tetrachloromethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
Total - Residual disinfectant	mg Cl/l	S	180	180	0	0.000	< 0.050	< 0.441	1.100
Total coliforms	CFU/100 ml	S	180	180	3	1.667	0.000	0.067	6.000
Total Indicative Dose	mSv/year	AS	1	1	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	S	8	8	0	0.000	2.700	3.113	3.800
Total Trihalomethanes	ug/l	S	8	8	0	0.000	43.000	75.000	98.000
Triclopyr	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Tritium	Bq/l	AS	1	1	0	0.000	< 10.000	< 10.000	< 10.000
Turbidity	NTU	S	52	52	0	0.000	< 0.090	< 0.153	1.100

PCV Exceedances:

Sample failed 09-MAY-2023 (ZN0102AE) Total coliforms = 1 CFU/100.

Sample failed 19-JUL-2023 (ZN0102AE) Total coliforms = 5 CFU/100.

Sample failed 13-SEP-2023 (ZN0102AE) Total coliforms = 6 CFU/100.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

S = Standard Sampling Frequency

Commentary on Water Quality:

R = Reduced Sampling Frequency

A = Authorised Supply Point

A: Supply point authorisation for pesticides and related products.

Population of zone = 54811

This zone has a surface water source :R1701

2023 WATER SUPPLY COMMENTARY

ZN0103 - Ballinrees South

The water supplied in this zone within the Causeway Coast and Glens council area complied with all the physical-chemical and microbiological standards laid down in the Water Supply (Water Quality) Regulations (Northern Ireland) 2017 except for the following parameter(s):-

Total coliforms – single exceedance

Total coliform exceedances are an indication of microbiological contamination. Exceedances can occur when there are problems with disinfection of the water supply or where the sample tap is contaminated. Most total coliform / E. coli exceedances are because of contamination of the customer tap. Investigation of this exceedance found that the water supply was satisfactory, and that the contamination was most likely related to the customer tap

Total Trihalomethanes (THMs) – two exceedances

Trihalomethanes are chlorination by-products arising from the use of chlorine as a disinfectant in the production of drinking water. The maintenance of the microbiological quality of water is NI Water's main priority. Investigations showed no significant change in Total Organic Carbon in the final water from Ballinrees WTW, however there was an overall increase in Total Trihalomethane levels along with chlorine boosting at Glenlough SR and seasonal temperature increases within the distribution mains.

2023 Public Register

WATER SUPPLY ZONE - ZN0103 - Ballinrees South

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
1,2 Dichloroethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
2,4-D	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
2,4-DB	ug/l	AS	8	8	0	0.000	< 0.016	< 0.016	< 0.016
Aluminium	ug Al/l	S	24	24	0	0.000	6.700	25.156	94.000
Ammonium	mg NH4/l	S	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Antimony	ug/l Sb	S	8	8	0	0.000	0.025	< 0.077	< 0.180
Arsenic	ug/l As	S	8	8	0	0.000	0.110	< 0.195	< 0.310
Asulam	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Bentazone	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Benzene	ug/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Benzo(a)pyrene	ug/l	S	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Boron	mg/l B	S	8	8	0	0.000	0.009	< 0.014	< 0.038
Bromate	ug BrO3/l	S	8	8	0	0.000	< 0.500	< 0.520	0.660
Bromoxynil	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Cadmium	ug/l Cd	S	8	8	0	0.000	< 0.042	< 0.074	< 0.300
Chloride	mg Cl/l	S	8	8	0	0.000	19.000	22.875	25.000
Chlorotoluron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Chlorpyrifos	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug/l Cr	S	8	8	0	0.000	< 0.260	< 0.365	0.640
Clopyralid	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	0.012
Clostridium perfringens (sulph red)	CFU/100 ml	AS	8	8	0	0.000	0.000	0.000	0.000
Colony Counts 22	CFU/1 ml	S	24	24	0	0.000	0.000	1.958	21.000
Colony Counts 37 (48hrs)	CFU/1 ml	S	24	24	0	0.000	0.000	1.667	18.000
Colour	mg/l Pt/Co	S	24	24	0	0.000	< 4.563	< 4.563	< 4.563
Conductivity	uS/cm 20 C	S	24	24	0	0.000	250.000	300.417	350.000
Copper	mg Cu/l	S	8	8	0	0.000	< 0.043	< 0.420	< 0.546
Cyanide	ug/l CN	AS	8	8	0	0.000	< 5.500	< 5.500	< 5.500
Dicamba	ug/l	AS	8	8	0	0.000	< 0.028	< 0.028	< 0.028
Dichlorprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Diflufenican	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Dimethenamid	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Diuron	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
E. coli	CFU/100 ml	S	72	72	0	0.000	0.000	0.000	0.000
Enterococci	CFU/100ml	S	8	8	0	0.000	0.000	0.000	0.000
Epoxiconazole	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Flufenacet	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fluoride	mg F/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Fluroxypyr	ug/l	AS	8	8	0	0.000	< 0.006	< 0.008	0.013
Free - Residual disinfectant	mg Cl/l	S	72	72	0	0.000	0.050	0.332	0.840
Glyphosate	ug/l	AS	8	8	0	0.000	< 0.008	< 0.009	0.020
Hydrogen Ion	pH value	S	24	24	0	0.000	7.050	7.443	7.770
Iron	ug/l Fe	S	24	24	0	0.000	< 1.538	< 22.426	130.000
Isoproturon	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Lead	ug Pb/l	S	8	8	0	0.000	< 0.090	< 0.237	1.000
Linuron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	24	0	0.000	< 0.642	< 1.546	3.300
MCPA	ug/l	AS	8	8	0	0.000	< 0.009	< 0.019	0.032
MCPB	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Mecoprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Mercury	ug per l	S	8	8	0	0.000	< 0.041	< 0.041	< 0.041
Metalaxyl	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Metamitron	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Metazachlor	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Metoxuron	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Metribuzin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Nickel	ug Ni/l	S	8	8	0	0.000	1.200	1.311	2.000
Nitrate	mg/l	S	8	8	0	0.000	2.400	3.300	4.100
Nitrate/Nitrite Formula		S	8	8	0	0.000	< 0.048	< 0.066	< 0.082
Nitrite	mg/l	S	8	8	0	0.000	< 0.030	< 0.030	< 0.030
Odour	Diln No	S	24	24	0	0.000	0.000	0.000	0.000
Oxamyl	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002

2023 Public Register

WATER SUPPLY ZONE - ZN0103 - Ballinrees South

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
PAH - Sum of four substances	ug/l	S	8	8	0	0.000	0.000	0.000	0.000
Pendimethalin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Pesticides - Total Substances	ug/l	AS	8	8	0	0.000	0.000	0.025	0.065
Phorate	ug/l	AS	8	8	0	0.000	< 0.009	< 0.009	< 0.009
Pirimicarb	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Propachlor	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Propiconazole	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Propyzamide	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Prothioconazole	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug/l Se	S	8	8	0	0.000	< 0.057	< 0.105	< 0.410
Sodium	mg Na/l	S	8	8	0	0.000	14.000	16.000	17.000
Sulphate	mg SO4/l	S	8	8	0	0.000	53.000	57.500	65.000
Taste	Diln No	S	24	24	0	0.000	0.000	0.000	0.000
Tebuconazole	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Tetrachloroethene/Trichloroethene - Sum	ug/l	S	8	8	0	0.000	< 0.770	< 0.770	< 0.770
Tetrachloromethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
Total - Residual disinfectant	mg Cl/l	S	72	72	0	0.000	0.130	0.466	1.210
Total coliforms	CFU/100 ml	S	72	72	1	1.389	0.000	0.028	2.000
Total Indicative Dose	mSv/year	AS	1	1	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	S	8	8	0	0.000	2.700	3.088	3.800
Total Trihalomethanes	ug/l	S	8	8	2	25.000	48.000	80.375	110.000
Triclopyr	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Tritium	Bq/l	AS	1	1	0	0.000	< 10.000	< 10.000	< 10.000
Turbidity	NTU	S	24	24	0	0.000	< 0.090	< 0.119	0.290

PCV Exceedances:

Sample failed 14-AUG-2023 (ZN0103AE) Total Trihalomethanes = 110 ug/l.

Sample failed 03-OCT-2023 (ZN0103AE) Total Trihalomethanes = 110 ug/l.

Sample failed 21-AUG-2023 (ZN0103AE) Total coliforms = 2 CFU/100.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

S = Standard Sampling Frequency

Commentary on Water Quality:

R = Reduced Sampling Frequency

A = Authorised Supply Point

A: Supply point authorisation for pesticides and related products.

Population of zone = 41161

This zone has a surface water source :R1701

2023 WATER SUPPLY COMMENTARY

ZN0202 - Altnahinch Bushmills

The water supplied in this zone within your council area complied with all the physical-chemical and microbiological standards laid down in the Water Supply (Water Quality) Regulations (Northern Ireland) 2017.

2023 Public Register

WATER SUPPLY ZONE - ZN0202 - Altnahinch Bushmills

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
1,2 Dichloroethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
2,4-D	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
2,4-DB	ug/l	AS	8	8	0	0.000	< 0.016	< 0.016	< 0.016
Aluminium	ug Al/l	S	36	36	0	0.000	< 3.089	< 11.529	41.000
Ammonium	mg NH4/l	S	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Antimony	ug/l Sb	S	8	8	0	0.000	< 0.021	< 0.055	< 0.180
Arsenic	ug/l As	S	8	8	0	0.000	0.059	< 0.133	< 0.310
Asulam	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Bentazone	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Benzene	ug/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Benzo(a)pyrene	ug/l	S	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Boron	mg/l B	S	8	8	0	0.000	< 0.006	< 0.010	< 0.038
Bromate	ug BrO3/l	S	8	8	0	0.000	0.500	1.209	2.100
Bromoxynil	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Cadmium	ug/l Cd	S	8	8	0	0.000	< 0.042	< 0.074	< 0.300
Chloride	mg Cl/l	S	8	8	0	0.000	11.000	14.375	19.000
Chlorotoluron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Chlorpyrifos	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug/l Cr	S	8	8	0	0.000	< 0.260	< 0.295	< 0.370
Clopyralid	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Clostridium perfringens (sulph red)	CFU/100 ml	AS	8	8	0	0.000	0.000	0.000	0.000
Colony Counts 22	CFU/1 ml	S	36	36	0	0.000	0.000	3.278	90.000
Colony Counts 37 (48hrs)	CFU/1 ml	S	36	36	0	0.000	0.000	2.861	91.000
Colour	mg/l Pt/Co	S	36	36	0	0.000	< 4.563	< 4.563	< 4.563
Conductivity	uS/cm 20 C	S	36	36	0	0.000	190.000	224.722	280.000
Copper	mg Cu/l	S	8	8	0	0.000	< 0.043	< 0.420	< 0.546
Cyanide	ug/l CN	AS	8	8	0	0.000	< 5.500	< 5.500	< 5.500
Dicamba	ug/l	AS	8	8	0	0.000	< 0.028	< 0.028	< 0.028
Dichlorprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Diflufenican	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Dimethenamid	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Diuron	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
E. coli	CFU/100 ml	S	84	84	0	0.000	0.000	0.000	0.000
Enterococci	CFU/100ml	S	8	8	0	0.000	0.000	0.000	0.000
Epoxiconazole	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Flufenacet	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fluoride	mg F/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Fluroxypyr	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Free - Residual disinfectant	mg Cl/l	S	84	84	0	0.000	0.060	0.419	1.190
Glyphosate	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Hydrogen Ion	pH value	S	36	36	0	0.000	6.770	7.173	7.660
Iron	ug/l Fe	S	36	36	0	0.000	< 1.538	< 14.233	110.000
Isoproturon	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Lead	ug Pb/l	S	8	8	0	0.000	< 0.090	< 0.093	< 0.095
Linuron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	36	36	0	0.000	< 0.642	< 1.635	6.900
MCPA	ug/l	AS	8	8	0	0.000	< 0.009	< 0.009	< 0.009
MCPB	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Mecoprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Mercury	ug per l	S	8	8	0	0.000	< 0.041	< 0.041	< 0.041
Metalaxyl	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Metamitron	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Metazachlor	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Metoxuron	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Metribuzin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Nickel	ug Ni/l	S	8	8	0	0.000	0.490	0.766	1.400
Nitrate	mg/l	S	8	8	0	0.000	1.100	1.775	2.800
Nitrate/Nitrite Formula		S	8	8	0	0.000	< 0.022	< 0.036	< 0.056
Nitrite	mg/l	S	8	8	0	0.000	< 0.030	< 0.030	< 0.030
Odour	Diln No	S	36	36	0	0.000	0.000	0.000	0.000
Oxamyl	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002

2023 Public Register

WATER SUPPLY ZONE - ZN0202 - Altnahinch Bushmills

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
PAH - Sum of four substances	ug/l	S	8	8	0	0.000	0.000	0.000	0.000
Pendimethalin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Pesticides - Total Substances	ug/l	AS	8	8	0	0.000	0.000	0.000	0.000
Phorate	ug/l	AS	8	8	0	0.000	< 0.009	< 0.009	< 0.009
Pirimicarb	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Propachlor	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Propiconazole	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Propyzamide	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Prothioconazole	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug/l Se	S	8	8	0	0.000	< 0.057	< 0.102	< 0.410
Sodium	mg Na/l	S	8	8	0	0.000	8.000	10.263	14.000
Sulphate	mg SO4/l	S	8	8	0	0.000	57.000	70.125	98.000
Taste	Diln No	S	36	36	0	0.000	0.000	0.000	0.000
Tebuconazole	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Tetrachloroethene/Trichloroethene - Sum	ug/l	S	8	8	0	0.000	< 0.770	< 0.770	< 0.770
Tetrachloromethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
Total - Residual disinfectant	mg Cl/l	S	84	84	0	0.000	0.110	0.537	1.310
Total coliforms	CFU/100 ml	S	84	84	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	1	1	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	S	8	8	0	0.000	1.900	2.613	3.100
Total Trihalomethanes	ug/l	S	8	8	0	0.000	34.000	65.625	96.000
Triclopyr	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Tritium	Bq/l	AS	1	1	0	0.000	< 10.000	< 10.000	< 10.000
Turbidity	NTU	S	36	36	0	0.000	< 0.090	< 0.124	0.400

PCV Exceedances:

Water Quality was satisfactory

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

S = Standard Sampling Frequency

R = Reduced Sampling Frequency

A = Authorised Supply Point

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 31777

This zone has a surface water source :R1702

2023 WATER SUPPLY COMMENTARY

ZN0204 - Rathlin Island

The water supplied in this zone within your council area complied with all the physical-chemical and microbiological standards laid down in the Water Supply (Water Quality) Regulations (Northern Ireland) 2017.

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WATER SUPPLY ZONE - ZN0204 - Rathlin Island

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
1,2 Dichloroethane	ug/l	S	4	4	0	0.000	< 0.410	< 0.410	< 0.410
2,4-D	ug/l	AS	4	4	0	0.000	< 0.011	< 0.011	< 0.011
2,4-DB	ug/l	AS	4	4	0	0.000	< 0.016	< 0.016	< 0.016
Aluminium	ug Al/l	S	4	4	0	0.000	< 3.089	< 4.622	7.400
Ammonium	mg NH4/l	S	4	4	0	0.000	< 0.010	< 0.010	< 0.010
Antimony	ug/l Sb	S	4	4	0	0.000	< 0.021	< 0.091	< 0.180
Arsenic	ug/l As	S	4	4	0	0.000	0.066	< 0.152	< 0.310
Asulam	ug/l	AS	4	4	0	0.000	< 0.015	< 0.015	< 0.015
Bentazone	ug/l	AS	4	4	0	0.000	< 0.004	< 0.004	< 0.004
Benzene	ug/l	S	4	4	0	0.000	< 0.150	< 0.150	< 0.150
Benzo(a)pyrene	ug/l	S	4	4	0	0.000	0.000	< 0.001	< 0.002
Boron	mg/l B	S	4	4	0	0.000	< 0.006	< 0.035	0.047
Bromate	ug BrO3/l	S	4	4	0	0.000	< 0.500	< 0.770	1.200
Bromoxynil	ug/l	AS	4	4	0	0.000	< 0.008	< 0.008	< 0.008
Cadmium	ug/l Cd	S	4	4	0	0.000	< 0.042	< 0.107	< 0.300
Chloride	mg Cl/l	S	4	4	0	0.000	67.000	75.500	83.000
Chlorotoluron	ug/l	AS	4	4	0	0.000	< 0.003	< 0.003	< 0.003
Chlorpyrifos	ug/l	AS	4	4	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug/l Cr	S	4	4	0	0.000	< 0.260	< 0.282	< 0.370
Clopyralid	ug/l	AS	4	4	0	0.000	< 0.010	< 0.010	< 0.010
Clostridium perfringens (sulph red)	CFU/100 ml	AS	4	4	0	0.000	0.000	0.000	0.000
Colony Counts 22	CFU/1 ml	S	4	4	0	0.000	0.000	0.000	0.000
Colony Counts 37 (48hrs)	CFU/1 ml	S	4	4	0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/Co	S	4	4	0	0.000	< 4.563	< 4.563	< 4.563
Conductivity	uS/cm 20 C	S	4	4	0	0.000	470.000	482.500	490.000
Copper	mg Cu/l	S	4	4	0	0.000	< 0.043	< 0.420	< 0.546
Cyanide	ug/l CN	AS	4	4	0	0.000	< 5.500	< 5.500	< 5.500
Dicamba	ug/l	AS	4	4	0	0.000	< 0.028	< 0.028	< 0.028
Dichlorprop	ug/l	AS	4	4	0	0.000	< 0.011	< 0.011	< 0.011
Diflufenican	ug/l	AS	4	4	0	0.000	< 0.007	< 0.007	< 0.007
Dimethenamid	ug/l	AS	4	4	0	0.000	< 0.006	< 0.006	< 0.006
Diuron	ug/l	AS	4	4	0	0.000	< 0.006	< 0.006	< 0.006
E. coli	CFU/100 ml	S	12	12	0	0.000	0.000	0.000	0.000
Enterococci	CFU/100ml	S	4	4	0	0.000	0.000	0.000	0.000
Epoxiconazole	ug/l	AS	4	4	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	4	4	0	0.000	< 0.008	< 0.008	< 0.008
Flufenacet	ug/l	AS	4	4	0	0.000	< 0.005	< 0.005	< 0.005
Fluoride	mg F/l	S	4	4	0	0.000	< 0.150	< 0.150	< 0.150
Fluroxypyr	ug/l	AS	4	4	0	0.000	< 0.006	< 0.006	< 0.006
Free - Residual disinfectant	mg Cl/l	S	12	12	0	0.000	0.090	0.322	0.590
Glyphosate	ug/l	AS	4	4	0	0.000	< 0.008	< 0.008	< 0.008
Hydrogen Ion	pH value	S	4	4	0	0.000	8.450	8.588	8.710
Iron	ug/l Fe	S	4	4	0	0.000	< 1.538	< 6.260	< 14.200
Isoproturon	ug/l	AS	4	4	0	0.000	< 0.003	< 0.003	< 0.003
Lead	ug Pb/l	S	4	4	0	0.000	< 0.090	< 0.097	0.110
Linuron	ug/l	AS	4	4	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	4	4	0	0.000	< 0.642	< 0.689	< 0.830
MCPA	ug/l	AS	4	4	0	0.000	< 0.009	< 0.009	< 0.009
MCPB	ug/l	AS	4	4	0	0.000	< 0.015	< 0.015	< 0.015
Mecoprop	ug/l	AS	4	4	0	0.000	< 0.011	< 0.011	< 0.011
Mercury	ug per l	S	4	4	0	0.000	< 0.041	< 0.041	< 0.041
Metalaxyl	ug/l	AS	4	4	0	0.000	< 0.010	< 0.010	< 0.010
Metamitron	ug/l	AS	4	4	0	0.000	< 0.007	< 0.007	< 0.007
Metazachlor	ug/l	AS	4	4	0	0.000	< 0.015	< 0.015	< 0.015
Metoxuron	ug/l	AS	4	4	0	0.000	< 0.008	< 0.008	< 0.008
Metribuzin	ug/l	AS	4	4	0	0.000	< 0.006	< 0.006	< 0.006
Nickel	ug Ni/l	S	4	4	0	0.000	< 0.260	< 0.479	< 0.625
Nitrate	mg/l	S	4	4	0	0.000	0.850	1.038	1.200
Nitrate/Nitrite Formula		S	4	4	0	0.000	< 0.017	< 0.021	< 0.024
Nitrite	mg/l	S	4	4	0	0.000	< 0.030	< 0.030	< 0.030
Odour	Diln No	S	4	4	0	0.000	0.000	0.000	0.000
Oxamyl	ug/l	AS	4	4	0	0.000	< 0.002	< 0.002	< 0.002

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WATER SUPPLY ZONE - ZN0204 - Rathlin Island

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
PAH - Sum of four substances	ug/l	S	4	4	0	0.000	0.000	0.000	0.000
Pendimethalin	ug/l	AS	4	4	0	0.000	< 0.006	< 0.006	< 0.006
Pesticides - Total Substances	ug/l	AS	4	4	0	0.000	0.000	0.000	0.000
Phorate	ug/l	AS	4	4	0	0.000	< 0.009	< 0.009	< 0.009
Pirimicarb	ug/l	AS	4	4	0	0.000	< 0.006	< 0.006	< 0.006
Propachlor	ug/l	AS	4	4	0	0.000	< 0.010	< 0.010	< 0.010
Propiconazole	ug/l	AS	4	4	0	0.000	< 0.003	< 0.003	< 0.003
Propyzamide	ug/l	AS	4	4	0	0.000	< 0.012	< 0.012	< 0.012
Prothioconazole	ug/l	AS	4	4	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug/l Se	S	4	4	0	0.000	< 0.057	< 0.156	< 0.410
Sodium	mg Na/l	S	4	4	0	0.000	53.000	89.000	110.000
Sulphate	mg SO4/l	S	4	4	0	0.000	5.800	9.150	13.000
Taste	Diln No	S	4	4	0	0.000	0.000	0.000	0.000
Tebuconazole	ug/l	AS	4	4	0	0.000	< 0.004	< 0.004	< 0.004
Tetrachloroethene/Trichloroethene - Sum	ug/l	S	4	4	0	0.000	< 0.770	< 0.770	< 0.770
Tetrachloromethane	ug/l	S	4	4	0	0.000	< 0.410	< 0.410	< 0.410
Total - Residual disinfectant	mg Cl/l	S	12	12	0	0.000	0.150	0.373	0.620
Total coliforms	CFU/100 ml	S	12	12	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	1	1	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	S	4	4	0	0.000	0.690	0.800	0.980
Total Trihalomethanes	ug/l	S	4	4	0	0.000	21.000	24.500	27.000
Triclopyr	ug/l	AS	4	4	0	0.000	< 0.012	< 0.012	< 0.012
Tritium	Bq/l	AS	1	1	0	0.000	< 10.000	< 10.000	< 10.000
Turbidity	NTU	S	4	4	0	0.000	< 0.090	< 0.170	0.290

PCV Exceedances:

Water Quality was satisfactory

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

S = Standard Sampling Frequency

R = Reduced Sampling Frequency

A = Authorised Supply Point

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 246

This zone has a surface water source :R1706

2023 WATER SUPPLY COMMENTARY

ZN0302 - Dungonnell Glarryford

The water supplied in this zone within your council area complied with all the physical-chemical and microbiological standards laid down in the Water Supply (Water Quality) Regulations (Northern Ireland) 2017.

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WATER SUPPLY ZONE - ZN0302 - Dungonnell Glarryford

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
1,2 Dichloroethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
2,4-D	ug/l	AS	32	32	0	0.000	0.000	< 0.011	< 0.011
2,4-DB	ug/l	AS	32	32	0	0.000	0.000	< 0.016	< 0.016
Aluminium	ug Al/l	S	24	24	0	0.000	< 3.089	< 23.528	120.000
Ammonium	mg NH4/l	S	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Antimony	ug/l Sb	S	8	8	0	0.000	< 0.021	< 0.064	< 0.180
Arsenic	ug/l As	S	8	8	0	0.000	0.059	< 0.155	< 0.310
Asulam	ug/l	AS	32	32	0	0.000	< 0.015	< 0.015	< 0.015
Bentazone	ug/l	AS	32	32	0	0.000	0.000	< 0.004	< 0.004
Benzene	ug/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Benzo(a)pyrene	ug/l	S	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Boron	mg/l B	S	8	8	0	0.000	< 0.006	< 0.011	< 0.038
Bromate	ug BrO3/l	S	8	8	0	0.000	< 0.500	< 1.159	1.700
Bromoxynil	ug/l	AS	32	32	0	0.000	0.000	< 0.008	< 0.008
Cadmium	ug/l Cd	S	8	8	0	0.000	< 0.042	< 0.074	< 0.300
Chloride	mg Cl/l	S	8	8	0	0.000	8.000	9.013	13.000
Chlorotoluron	ug/l	AS	32	32	0	0.000	< 0.003	< 0.003	< 0.003
Chlorpyrifos	ug/l	AS	32	32	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug/l Cr	S	8	8	0	0.000	< 0.260	< 0.378	0.710
Clopyralid	ug/l	AS	32	32	0	0.000	0.000	0.010	0.016
Clostridium perfringens (sulph red)	CFU/100 ml	AS	32	32	0	0.000	0.000	0.000	0.000
Colony Counts 22	CFU/1 ml	S	24	24	0	0.000	0.000	0.500	6.000
Colony Counts 37 (48hrs)	CFU/1 ml	S	24	24	0	0.000	0.000	0.000	0.000
Colour	mg/l Pt/Co	S	24	24	0	0.000	< 4.563	< 4.563	< 4.563
Conductivity	uS/cm 20 C	S	24	24	0	0.000	150.000	190.000	330.000
Copper	mg Cu/l	S	8	8	0	0.000	< 0.043	< 0.378	< 0.546
Cyanide	ug/l CN	AS	32	32	0	0.000	< 5.500	< 5.500	< 5.500
Dicamba	ug/l	AS	32	32	0	0.000	0.000	< 0.027	< 0.028
Dichlorprop	ug/l	AS	32	32	0	0.000	0.000	< 0.011	< 0.011
Diflufenican	ug/l	AS	32	32	0	0.000	< 0.007	< 0.007	< 0.007
Dimethenamid	ug/l	AS	32	32	0	0.000	< 0.006	< 0.006	< 0.006
Diuron	ug/l	AS	32	32	0	0.000	< 0.006	< 0.006	< 0.006
E. coli	CFU/100 ml	S	72	72	0	0.000	0.000	0.000	0.000
Enterococci	CFU/100ml	S	8	8	0	0.000	0.000	0.000	0.000
Epoxiconazole	ug/l	AS	32	32	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	32	32	0	0.000	< 0.008	< 0.008	< 0.008
Flufenacet	ug/l	AS	32	32	0	0.000	< 0.005	< 0.005	< 0.005
Fluoride	mg F/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Fluroxypyr	ug/l	AS	32	32	0	0.000	0.000	0.008	0.015
Free - Residual disinfectant	mg Cl/l	S	72	72	0	0.000	< 0.050	< 0.526	1.100
Glyphosate	ug/l	AS	32	32	0	0.000	< 0.008	< 0.008	< 0.008
Hydrogen Ion	pH value	S	24	24	0	0.000	6.520	7.063	7.540
Iron	ug/l Fe	S	24	24	1	4.167	6.000	45.133	490.000
Isoproturon	ug/l	AS	32	32	0	0.000	< 0.003	< 0.003	< 0.003
Lead	ug Pb/l	S	8	8	0	0.000	< 0.090	< 0.093	< 0.095
Linuron	ug/l	AS	32	32	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	24	0	0.000	< 0.642	< 2.102	12.000
MCPA	ug/l	AS	32	32	0	0.000	< 0.009	< 0.013	0.023
MCPB	ug/l	AS	32	32	0	0.000	< 0.015	< 0.015	< 0.015
Mecoprop	ug/l	AS	32	32	0	0.000	< 0.011	< 0.011	0.013
Mercury	ug per l	S	8	8	0	0.000	< 0.041	< 0.041	< 0.041
Metalaxyl	ug/l	AS	32	32	0	0.000	< 0.010	< 0.010	< 0.010
Metamitron	ug/l	AS	32	32	0	0.000	< 0.007	< 0.007	< 0.007
Metazachlor	ug/l	AS	32	32	0	0.000	< 0.015	< 0.015	< 0.015
Metoxuron	ug/l	AS	32	32	0	0.000	< 0.008	< 0.008	< 0.008
Metribuzin	ug/l	AS	32	32	0	0.000	< 0.006	< 0.006	< 0.006
Nickel	ug Ni/l	S	8	8	0	0.000	0.270	0.514	0.770
Nitrate	mg/l	S	8	8	0	0.000	< 0.290	< 1.149	1.600
Nitrate/Nitrite Formula		S	8	8	0	0.000	< 0.000	< 0.022	< 0.032
Nitrite	mg/l	S	8	8	0	0.000	< 0.030	< 0.030	< 0.030
Odour	Diln No	S	24	24	0	0.000	0.000	0.000	0.000
Oxamyl	ug/l	AS	32	32	0	0.000	< 0.002	< 0.002	< 0.002

2023 Public Register

WATER SUPPLY ZONE - ZN0302 - Dungonnell Glarryford

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
PAH - Sum of four substances	ug/l	S	8	8	0	0.000	0.000	0.000	0.000
Pendimethalin	ug/l	AS	32	32	0	0.000	< 0.006	< 0.006	0.007
Pesticides - Total Substances	ug/l	AS	32	32	0	0.000	0.000	0.021	0.062
Phorate	ug/l	AS	32	32	0	0.000	< 0.009	< 0.009	< 0.009
Pirimicarb	ug/l	AS	32	32	0	0.000	< 0.006	< 0.006	< 0.006
Propachlor	ug/l	AS	32	32	0	0.000	< 0.010	< 0.010	< 0.010
Propiconazole	ug/l	AS	32	32	0	0.000	< 0.003	< 0.003	0.004
Propyzamide	ug/l	AS	32	32	0	0.000	0.000	< 0.012	< 0.012
Prothioconazole	ug/l	AS	32	32	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug/l Se	S	8	8	0	0.000	< 0.057	< 0.102	< 0.410
Sodium	mg Na/l	S	8	8	0	0.000	5.300	6.525	9.800
Sulphate	mg SO4/l	S	8	8	0	0.000	52.000	59.875	80.000
Taste	Diln No	S	24	24	0	0.000	0.000	0.000	0.000
Tebuconazole	ug/l	AS	32	32	0	0.000	< 0.004	< 0.004	< 0.004
Tetrachloroethene/Trichloroethene - Sum	ug/l	S	8	8	0	0.000	< 0.770	< 0.770	< 0.770
Tetrachloromethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
Total - Residual disinfectant	mg Cl/l	S	72	72	0	0.000	< 0.050	< 0.598	1.130
Total coliforms	CFU/100 ml	S	72	72	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	2	2	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	S	8	8	0	0.000	1.200	1.725	2.300
Total Trihalomethanes	ug/l	S	8	8	0	0.000	29.000	56.625	97.000
Triclopyr	ug/l	AS	32	32	0	0.000	0.000	0.012	0.014
Tritium	Bq/l	AS	2	2	0	0.000	< 10.000	< 10.000	< 10.000
Turbidity	NTU	S	24	24	0	0.000	< 0.090	< 0.176	1.000

PCV Exceedances:

Sample failed 25-SEP-2023 (ZN0302AE) Iron = 490 ug per.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

S = Standard Sampling Frequency

R = Reduced Sampling Frequency

A = Authorised Supply Point

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 17964

This zone has a surface water source :R1303

2023 WATER SUPPLY COMMENTARY

ZN0501 - Moyola Magherafelt

The water supplied in this zone within your council area complied with all the physical-chemical and microbiological standards laid down in the Water Supply (Water Quality) Regulations (Northern Ireland) 2017.

2023 Public Register

WATER SUPPLY ZONE - ZN0501 - Moyola Magherafelt

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
1,2 Dichloroethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
2,4-D	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
2,4-DB	ug/l	AS	8	8	0	0.000	< 0.016	< 0.016	< 0.016
Aluminium	ug Al/l	S	36	36	0	0.000	15.000	29.778	59.000
Ammonium	mg NH4/l	S	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Antimony	ug/l Sb	S	8	8	0	0.000	0.078	< 0.125	< 0.180
Arsenic	ug/l As	S	8	8	0	0.000	0.180	< 0.250	< 0.310
Asulam	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Bentazone	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Benzene	ug/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Benzo(a)pyrene	ug/l	S	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Boron	mg/l B	S	8	8	0	0.000	0.013	< 0.020	< 0.038
Bromate	ug BrO3/l	S	8	8	0	0.000	< 0.500	< 0.500	< 0.500
Bromoxynil	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Cadmium	ug/l Cd	S	8	8	0	0.000	< 0.042	< 0.107	< 0.300
Chloride	mg Cl/l	S	8	8	0	0.000	18.000	21.875	24.000
Chlorotoluron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Chlorpyrifos	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug/l Cr	S	8	8	0	0.000	< 0.260	< 0.433	0.960
Clopyralid	ug/l	AS	8	8	0	0.000	< 0.010	< 0.011	0.016
Clostridium perfringens (sulph red)	CFU/100 ml	AS	8	8	0	0.000	0.000	0.000	0.000
Colony Counts 22	CFU/1 ml	S	36	36	0	0.000	0.000	0.250	4.000
Colony Counts 37 (48hrs)	CFU/1 ml	S	36	36	0	0.000	0.000	0.361	7.000
Colour	mg/l Pt/Co	S	36	36	0	0.000	< 4.563	< 4.563	< 4.563
Conductivity	uS/cm 20 C	S	36	36	0	0.000	140.000	345.000	390.000
Copper	mg Cu/l	S	8	8	0	0.000	< 0.043	< 0.357	< 0.546
Cyanide	ug/l CN	AS	8	8	0	0.000	< 5.500	< 5.500	< 5.500
Dicamba	ug/l	AS	8	8	0	0.000	< 0.028	< 0.028	< 0.028
Dichlorprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Diflufenican	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Dimethenamid	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Diuron	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
E. coli	CFU/100 ml	S	96	96	0	0.000	0.000	0.000	0.000
Enterococci	CFU/100ml	S	8	8	0	0.000	0.000	0.000	0.000
Epoxiconazole	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Flufenacet	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fluoride	mg F/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Fluroxypyr	ug/l	AS	8	8	0	0.000	< 0.006	< 0.007	0.010
Free - Residual disinfectant	mg Cl/l	S	96	96	0	0.000	0.060	0.495	1.040
Glyphosate	ug/l	AS	8	8	0	0.000	< 0.008	< 0.010	0.026
Hydrogen Ion	pH value	S	36	36	0	0.000	6.940	7.513	7.790
Iron	ug/l Fe	S	36	36	0	0.000	1.600	14.256	110.000
Isoproturon	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Lead	ug Pb/l	S	8	8	0	0.000	< 0.090	< 0.113	0.200
Linuron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	36	36	0	0.000	< 0.642	< 1.292	3.100
MCPA	ug/l	AS	8	8	0	0.000	0.011	0.014	0.022
MCPB	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Mecoprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	0.013
Mercury	ug per l	S	8	7	0	0.000	< 0.041	< 0.041	< 0.041
Metalaxyl	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Metamitron	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Metazachlor	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Metoxuron	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Metribuzin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Nickel	ug Ni/l	S	8	8	0	0.000	0.830	1.291	2.000
Nitrate	mg/l	S	8	8	0	0.000	2.900	4.700	6.000
Nitrate/Nitrite Formula		S	8	8	0	0.000	< 0.058	< 0.094	< 0.120
Nitrite	mg/l	S	8	8	0	0.000	< 0.030	< 0.030	< 0.030
Odour	Diln No	S	36	36	0	0.000	0.000	0.000	0.000
Oxamyl	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002

2023 Public Register

WATER SUPPLY ZONE - ZN0501 - Moyola Magherafelt

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
PAH - Sum of four substances	ug/l	S	8	8	0	0.000	0.000	0.000	0.000
Pendimethalin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Pesticides - Total Substances	ug/l	AS	8	8	0	0.000	0.010	0.024	0.074
Phorate	ug/l	AS	8	8	0	0.000	< 0.009	< 0.009	< 0.009
Pirimicarb	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Propachlor	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Propiconazole	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Propyzamide	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Prothioconazole	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug/l Se	S	8	8	0	0.000	< 0.057	< 0.165	< 0.410
Sodium	mg Na/l	S	8	8	0	0.000	12.000	14.000	16.000
Sulphate	mg SO4/l	S	8	8	0	0.000	54.000	68.750	76.000
Taste	Diln No	S	36	36	0	0.000	0.000	0.000	0.000
Tebuconazole	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Tetrachloroethene/Trichloroethene - Sum	ug/l	S	8	8	0	0.000	< 0.770	< 0.770	< 0.770
Tetrachloromethane	ug/l	S	8	7	0	0.000	< 0.410	< 0.410	< 0.410
Total - Residual disinfectant	mg Cl/l	S	96	96	0	0.000	0.200	0.624	1.210
Total coliforms	CFU/100 ml	S	96	96	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	1	1	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	S	8	7	0	0.000	2.600	2.786	2.900
Total Trihalomethanes	ug/l	S	8	8	0	0.000	25.000	47.625	72.000
Triclopyr	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Tritium	Bq/l	AS	1	1	0	0.000	< 10.000	< 10.000	< 10.000
Turbidity	NTU	S	36	36	0	0.000	< 0.090	< 0.105	0.320

PCV Exceedances:

Water Quality was satisfactory

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

S = Standard Sampling Frequency

R = Reduced Sampling Frequency

A = Authorised Supply Point

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 36415

This zone has a surface water source :R1301

2023 WATER SUPPLY COMMENTARY

ZN0601 - Ballinrees Limavady

The water supplied in this zone within the Causeway Coast and Glens council area complied with all the physical-chemical and microbiological standards laid down in the Water Supply (Water Quality) Regulations (Northern Ireland) 2017 except for the following parameter(s):-

Total Trihalomethanes (THMs) – two exceedances

Trihalomethanes are chlorination by-products arising from the use of chlorine as a disinfectant in the production of drinking water. The maintenance of the microbiological quality of water is NI Water's main priority. These exceedances were most likely due to a combination of non-organic matter due to increased rainfall in the catchment, chlorine boosting at Corrody SR, long retention time in the system, and high water temperatures.

2023 Public Register

WATER SUPPLY ZONE - ZN0601 - Ballinrees Limavady

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
1,2 Dichloroethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
2,4-D	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
2,4-DB	ug/l	AS	8	8	0	0.000	< 0.016	< 0.016	< 0.016
Aluminium	ug Al/l	S	24	24	0	0.000	6.000	33.167	64.000
Ammonium	mg NH4/l	S	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Antimony	ug/l Sb	S	8	8	0	0.000	< 0.021	< 0.053	< 0.180
Arsenic	ug/l As	S	8	8	0	0.000	< 0.031	< 0.151	< 0.310
Asulam	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Bentazone	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Benzene	ug/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Benzo(a)pyrene	ug/l	S	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Boron	mg/l B	S	8	8	0	0.000	0.006	< 0.012	< 0.038
Bromate	ug BrO3/l	S	8	8	0	0.000	0.520	0.990	1.600
Bromoxynil	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Cadmium	ug/l Cd	S	8	8	0	0.000	< 0.042	< 0.074	< 0.300
Chloride	mg Cl/l	S	8	8	0	0.000	13.000	15.000	16.000
Chlorotoluron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Chlorpyrifos	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug/l Cr	S	8	8	0	0.000	< 0.260	< 0.451	0.890
Clopyralid	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	0.012
Clostridium perfringens (sulph red)	CFU/100 ml	AS	8	8	0	0.000	0.000	0.000	0.000
Colony Counts 22	CFU/1 ml	S	24	24	0	0.000	0.000	0.667	8.000
Colony Counts 37 (48hrs)	CFU/1 ml	S	24	24	0	0.000	0.000	0.083	2.000
Colour	mg/l Pt/Co	S	24	24	0	0.000	< 4.563	< 4.563	< 4.563
Conductivity	uS/cm 20 C	S	24	24	0	0.000	220.000	249.167	310.000
Copper	mg Cu/l	S	8	8	0	0.000	< 0.043	< 0.483	< 0.546
Cyanide	ug/l CN	AS	8	8	0	0.000	< 5.500	< 5.500	< 5.500
Dicamba	ug/l	AS	8	8	0	0.000	< 0.028	< 0.028	< 0.028
Dichlorprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Diflufenican	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Dimethenamid	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Diuron	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
E. coli	CFU/100 ml	S	60	60	0	0.000	0.000	0.000	0.000
Enterococci	CFU/100ml	S	8	8	0	0.000	0.000	0.000	0.000
Epoxiconazole	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Flufenacet	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fluoride	mg F/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Fluroxypyr	ug/l	AS	8	8	0	0.000	< 0.006	< 0.008	0.013
Free - Residual disinfectant	mg Cl/l	S	60	60	0	0.000	< 0.050	< 0.400	0.740
Glyphosate	ug/l	AS	8	8	0	0.000	< 0.008	< 0.009	0.020
Hydrogen Ion	pH value	S	24	24	0	0.000	6.840	7.368	7.890
Iron	ug/l Fe	S	24	24	0	0.000	5.900	27.638	140.000
Isoproturon	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Lead	ug Pb/l	S	8	8	0	0.000	< 0.090	< 0.094	< 0.095
Linuron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	24	0	0.000	< 0.642	< 3.743	9.400
MCPA	ug/l	AS	8	8	0	0.000	< 0.009	< 0.019	0.032
MCPB	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Mecoprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Mercury	ug per l	S	8	8	0	0.000	< 0.041	< 0.041	< 0.041
Metalaxyl	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Metamitron	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Metazachlor	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Metoxuron	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Metribuzin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Nickel	ug Ni/l	S	8	8	0	0.000	0.360	0.676	1.100
Nitrate	mg/l	S	8	8	0	0.000	1.600	1.900	2.300
Nitrate/Nitrite Formula		S	8	8	0	0.000	< 0.032	< 0.038	< 0.046
Nitrite	mg/l	S	8	8	0	0.000	< 0.030	< 0.030	< 0.030
Odour	Diln No	S	24	24	0	0.000	0.000	0.000	0.000
Oxamyl	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002

2023 Public Register

WATER SUPPLY ZONE - ZN0601 - Ballinrees Limavady

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
PAH - Sum of four substances	ug/l	S	8	8	0	0.000	0.000	0.000	0.000
Pendimethalin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Pesticides - Total Substances	ug/l	AS	8	8	0	0.000	0.000	0.025	0.065
Phorate	ug/l	AS	8	8	0	0.000	< 0.009	< 0.009	< 0.009
Pirimicarb	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Propachlor	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Propiconazole	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Propyzamide	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Prothioconazole	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug/l Se	S	8	8	0	0.000	< 0.057	< 0.104	< 0.410
Sodium	mg Na/l	S	8	8	0	0.000	9.300	10.163	11.000
Sulphate	mg SO4/l	S	8	8	0	0.000	42.000	63.875	89.000
Taste	Diln No	S	24	24	0	0.000	0.000	0.000	0.000
Tebuconazole	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Tetrachloroethene/Trichloroethene - Sum	ug/l	S	8	8	0	0.000	< 0.770	< 0.770	< 0.770
Tetrachloromethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
Total - Residual disinfectant	mg Cl/l	S	60	60	0	0.000	0.100	0.505	0.840
Total coliforms	CFU/100 ml	S	60	60	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	1	1	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	S	8	8	0	0.000	1.900	2.325	2.900
Total Trihalomethanes	ug/l	S	8	8	2	25.000	50.000	81.875	140.000
Triclopyr	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Tritium	Bq/l	AS	1	1	0	0.000	< 10.000	< 10.000	< 10.000
Turbidity	NTU	S	24	24	0	0.000	< 0.090	< 0.148	0.790

PCV Exceedances:

Sample failed 14-AUG-2023 (ZN0601AE) Total Trihalomethanes = 140 ug/l.

Sample failed 25-SEP-2023 (ZN0601AE) Total Trihalomethanes = 120 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

S = Standard Sampling Frequency

R = Reduced Sampling Frequency

Commentary on Water Quality:

A = Authorised Supply Point

A: Supply point authorisation for pesticides and related products.

Population of zone = 20896

This zone has a surface water source :R1701

2023 WATER SUPPLY COMMENTARY

ZN0603 - Carmoney Eglinton

The water supplied in this zone within your council area complied with all the physical-chemical and microbiological standards laid down in the Water Supply (Water Quality) Regulations (Northern Ireland) 2017.

2023 Public Register

WATER SUPPLY ZONE - ZN0603 - Carmoney Eglinton

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
1,2 Dichloroethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
2,4-D	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
2,4-DB	ug/l	AS	8	8	0	0.000	< 0.016	< 0.016	< 0.016
Aluminium	ug Al/l	S	52	52	0	0.000	9.300	24.647	48.000
Ammonium	mg NH4/l	S	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Antimony	ug/l Sb	S	8	8	0	0.000	< 0.021	< 0.053	0.077
Arsenic	ug/l As	S	8	8	0	0.000	0.120	0.198	0.260
Asulam	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Bentazone	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Benzene	ug/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Benzo(a)pyrene	ug/l	S	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Boron	mg/l B	S	8	8	0	0.000	0.007	0.009	0.010
Bromate	ug BrO3/l	S	8	8	0	0.000	0.920	1.365	2.200
Bromoxynil	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Cadmium	ug/l Cd	S	8	8	0	0.000	< 0.042	< 0.050	0.110
Chloride	mg Cl/l	S	8	8	0	0.000	15.000	19.000	24.000
Chlorotoluron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Chlorpyrifos	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug/l Cr	S	8	8	0	0.000	< 0.260	< 0.367	0.670
Clopyralid	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Clostridium perfringens (sulph red)	CFU/100 ml	AS	8	8	0	0.000	0.000	0.000	0.000
Colony Counts 22	CFU/1 ml	S	52	52	0	0.000	0.000	1.038	14.000
Colony Counts 37 (48hrs)	CFU/1 ml	S	52	52	0	0.000	0.000	0.250	4.000
Colour	mg/l Pt/Co	S	52	52	0	0.000	< 4.563	< 4.563	< 4.563
Conductivity	uS/cm 20 C	S	52	52	0	0.000	180.000	263.654	410.000
Copper	mg Cu/l	S	8	8	0	0.000	< 0.043	< 0.420	< 0.546
Cyanide	ug/l CN	AS	8	8	0	0.000	< 5.500	< 5.500	< 5.500
Dicamba	ug/l	AS	8	8	0	0.000	< 0.028	< 0.028	< 0.028
Dichlorprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Diflufenican	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Dimethenamid	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Diuron	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
E. coli	CFU/100 ml	S	144	144	0	0.000	0.000	0.000	0.000
Enterococci	CFU/100ml	S	8	8	0	0.000	0.000	0.000	0.000
Epoxiconazole	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Flufenacet	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fluoride	mg F/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Fluroxypyr	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Free - Residual disinfectant	mg Cl/l	S	144	144	0	0.000	< 0.050	< 0.335	0.760
Glyphosate	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Hydrogen Ion	pH value	S	52	52	0	0.000	6.910	7.494	7.970
Iron	ug/l Fe	S	52	52	0	0.000	< 1.538	< 24.404	140.000
Isoproturon	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Lead	ug Pb/l	S	8	8	0	0.000	< 0.090	< 0.125	0.290
Linuron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	52	0	0.000	< 0.642	< 2.935	11.000
MCPA	ug/l	AS	8	8	0	0.000	< 0.009	< 0.025	0.054
MCPB	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Mecoprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.012	0.020
Mercury	ug per l	S	8	8	0	0.000	< 0.041	< 0.041	< 0.041
Metalaxyl	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Metamitron	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Metazachlor	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Metoxuron	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Metribuzin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Nickel	ug Ni/l	S	8	8	0	0.000	0.500	0.679	1.100
Nitrate	mg/l	S	8	8	0	0.000	3.100	4.513	6.400
Nitrate/Nitrite Formula		S	8	8	0	0.000	< 0.062	< 0.091	< 0.130
Nitrite	mg/l	S	8	8	0	0.000	< 0.030	< 0.030	< 0.030
Odour	Diln No	S	52	52	0	0.000	0.000	0.000	0.000
Oxamyl	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002

2023 Public Register

WATER SUPPLY ZONE - ZN0603 - Carmoney Eglinton

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
PAH - Sum of four substances	ug/l	S	8	8	0	0.000	0.000	0.000	0.000
Pendimethalin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Pesticides - Total Substances	ug/l	AS	8	8	0	0.000	0.000	0.028	0.062
Phorate	ug/l	AS	8	8	0	0.000	< 0.009	< 0.009	< 0.009
Pirimicarb	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Propachlor	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Propiconazole	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Propyzamide	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Prothioconazole	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug/l Se	S	8	8	0	0.000	< 0.057	< 0.083	0.170
Sodium	mg Na/l	S	8	8	0	0.000	10.000	12.250	15.000
Sulphate	mg SO4/l	S	8	8	0	0.000	44.000	56.500	73.000
Taste	Diln No	S	52	52	0	0.000	0.000	0.000	0.000
Tebuconazole	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Tetrachloroethene/Trichloroethene - Sum	ug/l	S	8	8	0	0.000	< 0.770	< 0.770	< 0.770
Tetrachloromethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
Total - Residual disinfectant	mg Cl/l	S	144	144	0	0.000	0.070	0.446	0.990
Total coliforms	CFU/100 ml	S	144	144	1	0.694	0.000	0.007	1.000
Total Indicative Dose	mSv/year	AS	1	1	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	S	8	8	0	0.000	1.600	2.425	3.700
Total Trihalomethanes	ug/l	S	8	8	0	0.000	51.000	70.000	88.000
Triclopyr	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Tritium	Bq/l	AS	1	1	0	0.000	< 10.000	< 10.000	< 10.000
Turbidity	NTU	S	52	52	0	0.000	< 0.090	< 0.128	0.930

PCV Exceedances:

Sample failed 10-JUL-2023 (ZN0603AE) Total coliforms = 1 CFU/100.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

S = Standard Sampling Frequency

R = Reduced Sampling Frequency

A = Authorised Supply Point

Commentary on Water Quality:

A: Supply point authorisation for pesticides and related products.

Population of zone = 56390

This zone has a surface water source :R4301

2023 WATER SUPPLY COMMENTARY

ZN0604 - Caugh Hill Dungiven

The water supplied in this zone within the Causeway Coast and Glens council area complied with all the physical-chemical and microbiological standards laid down in the Water Supply (Water Quality) Regulations (Northern Ireland) 2017 except for the following parameter(s):-

Iron – single exceedance

Investigations found that this exceedance was most likely caused by a localised disturbance of mains deposits, the cause of which was undetermined.

NI Water has in place an extensive Mains Rehabilitation Programme, which favours mains replacement and zones are prioritised according to need. This programme will continue to maintain and improve the quality of water in your council area over the next few years.

Total Trihalomethanes (THMs) – single exceedance

Trihalomethanes are chlorination by-products arising from the use of chlorine as a disinfectant in the production of drinking water. The maintenance of the microbiological quality of water is NI Water's main priority. This exceedance was most likely due to a combination of non-organic matter due to increased rainfall in the catchment, chlorine boosting at Corrody SR, long retention time in the system, and high water temperatures.

2023 Public Register

WATER SUPPLY ZONE - ZN0604 - Caugh Hill Dungiven

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
1,2 Dichloroethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
2,4-D	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
2,4-DB	ug/l	AS	8	8	0	0.000	< 0.016	< 0.016	< 0.016
Aluminium	ug Al/l	S	24	24	0	0.000	< 9.000	< 43.600	180.000
Ammonium	mg NH4/l	S	8	8	0	0.000	< 0.010	< 0.010	0.013
Antimony	ug/l Sb	S	8	8	0	0.000	< 0.021	< 0.025	0.037
Arsenic	ug/l As	S	8	8	0	0.000	< 0.031	< 0.103	0.170
Asulam	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Bentazone	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Benzene	ug/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Benzo(a)pyrene	ug/l	S	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Boron	mg/l B	S	8	8	0	0.000	< 0.006	< 0.007	0.007
Bromate	ug BrO3/l	S	8	8	0	0.000	0.890	1.474	2.500
Bromoxynil	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Cadmium	ug/l Cd	S	8	8	0	0.000	< 0.042	< 0.050	0.110
Chloride	mg Cl/l	S	8	8	0	0.000	11.000	11.625	13.000
Chlorotoluron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Chlorpyrifos	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug/l Cr	S	8	8	0	0.000	< 0.260	< 0.333	0.620
Clopyralid	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Clostridium perfringens (sulph red)	CFU/100 ml	AS	8	8	0	0.000	0.000	0.000	0.000
Colony Counts 22	CFU/1 ml	S	24	24	0	0.000	0.000	7.167	80.000
Colony Counts 37 (48hrs)	CFU/1 ml	S	24	24	0	0.000	0.000	1.750	26.000
Colour	mg/l Pt/Co	S	24	24	0	0.000	< 4.563	< 4.563	< 4.563
Conductivity	uS/cm 20 C	S	24	24	0	0.000	160.000	214.583	310.000
Copper	mg Cu/l	S	8	8	0	0.000	< 0.043	< 0.420	< 0.546
Cyanide	ug/l CN	AS	8	8	0	0.000	< 5.500	< 5.500	< 5.500
Dicamba	ug/l	AS	8	8	0	0.000	< 0.028	< 0.028	< 0.028
Dichlorprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Diflufenican	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Dimethenamid	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Diuron	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
E. coli	CFU/100 ml	S	48	48	0	0.000	0.000	0.000	0.000
Enterococci	CFU/100ml	S	8	8	0	0.000	0.000	0.000	0.000
Epoxiconazole	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Flufenacet	ug/l	AS	8	8	0	0.000	< 0.005	< 0.005	< 0.005
Fluoride	mg F/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Fluroxypyr	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Free - Residual disinfectant	mg Cl/l	S	48	48	0	0.000	< 0.050	< 0.386	0.870
Glyphosate	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Hydrogen Ion	pH value	S	24	24	0	0.000	6.460	7.360	8.830
Iron	ug/l Fe	S	24	24	1	4.000	< 5.000	< 57.200	450.000
Isoproturon	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Lead	ug Pb/l	S	8	8	0	0.000	< 0.090	< 0.093	< 0.095
Linuron	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	24	24	0	0.000	1.400	6.424	47.000
MCPA	ug/l	AS	8	8	0	0.000	< 0.009	< 0.009	< 0.009
MCPB	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Mecoprop	ug/l	AS	8	8	0	0.000	< 0.011	< 0.011	< 0.011
Mercury	ug per l	S	8	8	0	0.000	< 0.041	< 0.041	< 0.041
Metalaxyl	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Metamitron	ug/l	AS	8	8	0	0.000	< 0.007	< 0.007	< 0.007
Metazachlor	ug/l	AS	8	8	0	0.000	< 0.015	< 0.015	< 0.015
Metoxuron	ug/l	AS	8	8	0	0.000	< 0.008	< 0.008	< 0.008
Metribuzin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Nickel	ug Ni/l	S	8	8	0	0.000	< 0.260	< 0.488	< 0.625
Nitrate	mg/l	S	8	8	0	0.000	1.100	1.388	1.700
Nitrate/Nitrite Formula		S	8	8	0	0.000	< 0.022	< 0.028	< 0.034
Nitrite	mg/l	S	8	8	0	0.000	< 0.030	< 0.030	< 0.030
Odour	Diln No	S	24	24	0	0.000	0.000	0.000	0.000
Oxamyl	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002

2023 Public Register

WATER SUPPLY ZONE - ZN0604 - Caugh Hill Dungiven

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
PAH - Sum of four substances	ug/l	S	8	8	0	0.000	0.000	0.000	0.000
Pendimethalin	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Pesticides - Total Substances	ug/l	AS	8	8	0	0.000	0.000	0.000	0.000
Phorate	ug/l	AS	8	8	0	0.000	< 0.009	< 0.009	< 0.009
Pirimicarb	ug/l	AS	8	8	0	0.000	< 0.006	< 0.006	< 0.006
Propachlor	ug/l	AS	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Propiconazole	ug/l	AS	8	8	0	0.000	< 0.003	< 0.003	< 0.003
Propyzamide	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Prothioconazole	ug/l	AS	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug/l Se	S	8	8	0	0.000	< 0.057	< 0.073	0.130
Sodium	mg Na/l	S	8	8	0	0.000	7.000	7.738	9.300
Sulphate	mg SO4/l	S	8	8	0	0.000	58.000	70.625	95.000
Taste	Diln No	S	24	24	0	0.000	0.000	0.000	0.000
Tebuconazole	ug/l	AS	8	8	0	0.000	< 0.004	< 0.004	< 0.004
Tetrachloroethene/Trichloroethene - Sum	ug/l	S	8	8	0	0.000	< 0.770	< 0.770	< 0.770
Tetrachloromethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
Total - Residual disinfectant	mg Cl/l	S	48	48	0	0.000	0.110	0.491	1.040
Total coliforms	CFU/100 ml	S	48	48	0	0.000	0.000	0.000	0.000
Total Indicative Dose	mSv/year	AS	1	1	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	S	8	8	0	0.000	1.400	1.913	2.800
Total Trihalomethanes	ug/l	S	8	8	1	12.500	55.000	77.500	160.000
Triclopyr	ug/l	AS	8	8	0	0.000	< 0.012	< 0.012	< 0.012
Tritium	Bq/l	AS	1	1	0	0.000	< 10.000	< 10.000	< 10.000
Turbidity	NTU	S	24	24	0	0.000	< 0.090	< 0.186	1.400

PCV Exceedances:

Sample failed 15-MAY-2023 (ZN0604AE) Iron = 450 ug per.

Sample failed 14-AUG-2023 (ZN0604AE) Total Trihalomethanes = 160 ug/l.

Notes:

PCV = Prescribed Concentration or Value

U = Undertaking

S = Standard Sampling Frequency

R = Reduced Sampling Frequency

Commentary on Water Quality:

A = Authorised Supply Point

A: Supply point authorisation for pesticides and related products.

Population of zone = 17377

This zone has a surface water source :R4306

2023 WATER SUPPLY COMMENTARY

ZN0607 - Corrody Derry

The water supplied in this zone within your council area complied with all the physical-chemical and microbiological standards laid down in the Water Supply (Water Quality) Regulations (Northern Ireland) 2017.

2023 Public Register

WATER SUPPLY ZONE - ZN0607 - Corrody Derry

Printed On 30-JAN-2024 : NI Water : Period 01-JAN-2023 to 31-DEC-2023 incl.

Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
1,2 Dichloroethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
2,4-D	ug/l	AS	16	16	0	0.000	< 0.011	< 0.011	< 0.011
2,4-DB	ug/l	AS	16	16	0	0.000	< 0.016	< 0.016	< 0.016
Aluminium	ug Al/l	S	52	52	0	0.000	15.000	32.226	58.000
Ammonium	mg NH4/l	S	8	8	0	0.000	< 0.010	< 0.010	< 0.010
Antimony	ug/l Sb	S	8	8	0	0.000	< 0.021	< 0.050	< 0.180
Arsenic	ug/l As	S	8	8	0	0.000	< 0.031	< 0.157	< 0.310
Asulam	ug/l	AS	16	16	0	0.000	< 0.015	< 0.015	< 0.015
Bentazone	ug/l	AS	16	16	0	0.000	< 0.004	< 0.004	< 0.004
Benzene	ug/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Benzo(a)pyrene	ug/l	S	8	8	0	0.000	< 0.002	< 0.002	< 0.002
Boron	mg/l B	S	8	8	0	0.000	< 0.006	< 0.011	< 0.038
Bromate	ug BrO3/l	S	8	8	0	0.000	0.740	1.324	2.000
Bromoxynil	ug/l	AS	16	16	0	0.000	< 0.008	< 0.008	< 0.008
Cadmium	ug/l Cd	S	8	8	0	0.000	< 0.042	< 0.071	< 0.300
Chloride	mg Cl/l	S	8	8	0	0.000	13.000	16.000	19.000
Chlorotoluron	ug/l	AS	16	16	0	0.000	< 0.003	< 0.003	< 0.003
Chlorpyrifos	ug/l	AS	16	16	0	0.000	< 0.007	< 0.007	< 0.007
Chromium	ug/l Cr	S	8	8	0	0.000	< 0.260	< 0.369	0.850
Clopyralid	ug/l	AS	16	16	0	0.000	< 0.010	< 0.010	0.012
Clostridium perfringens (sulph red)	CFU/100 ml	AS	16	16	0	0.000	0.000	0.000	0.000
Colony Counts 22	CFU/1 ml	S	52	52	0	0.000	0.000	5.058	93.000
Colony Counts 37 (48hrs)	CFU/1 ml	S	52	52	0	0.000	0.000	1.462	60.000
Colour	mg/l Pt/Co	S	52	52	0	0.000	< 4.563	< 4.563	< 4.563
Conductivity	uS/cm 20 C	S	52	52	0	0.000	190.000	246.154	340.000
Copper	mg Cu/l	S	8	8	0	0.000	< 0.043	< 0.496	< 0.546
Cyanide	ug/l CN	AS	16	16	0	0.000	< 5.500	< 5.500	< 5.500
Dicamba	ug/l	AS	16	16	0	0.000	< 0.028	< 0.028	< 0.028
Dichlorprop	ug/l	AS	16	16	0	0.000	< 0.011	< 0.011	< 0.011
Diflufenican	ug/l	AS	16	16	0	0.000	< 0.007	< 0.007	< 0.007
Dimethenamid	ug/l	AS	16	16	0	0.000	< 0.006	< 0.006	< 0.006
Diuron	ug/l	AS	16	16	0	0.000	< 0.006	< 0.006	< 0.006
E. coli	CFU/100 ml	S	156	156	0	0.000	0.000	0.000	0.000
Enterococci	CFU/100ml	S	8	8	0	0.000	0.000	0.000	0.000
Epoxiconazole	ug/l	AS	16	16	0	0.000	< 0.005	< 0.005	< 0.005
Fenpropimorph	ug/l	AS	16	16	0	0.000	< 0.008	< 0.008	< 0.008
Flufenacet	ug/l	AS	16	16	0	0.000	< 0.005	< 0.005	< 0.005
Fluoride	mg F/l	S	8	8	0	0.000	< 0.150	< 0.150	< 0.150
Fluroxypyr	ug/l	AS	16	16	0	0.000	< 0.006	< 0.007	0.013
Free - Residual disinfectant	mg Cl/l	S	156	156	0	0.000	< 0.050	< 0.269	0.810
Glyphosate	ug/l	AS	16	16	0	0.000	< 0.008	< 0.008	0.020
Hydrogen Ion	pH value	S	52	52	0	0.000	6.630	7.365	7.900
Iron	ug/l Fe	S	52	52	0	0.000	4.100	30.890	180.000
Isoproturon	ug/l	AS	16	16	0	0.000	< 0.003	< 0.003	< 0.003
Lead	ug Pb/l	S	8	8	0	0.000	< 0.090	< 0.301	1.500
Linuron	ug/l	AS	16	16	0	0.000	< 0.003	< 0.003	< 0.003
Manganese	ug Mn/l	S	52	52	0	0.000	< 0.642	< 4.000	12.000
MCPA	ug/l	AS	16	16	0	0.000	< 0.009	< 0.014	0.032
MCPB	ug/l	AS	16	16	0	0.000	< 0.015	< 0.015	< 0.015
Mecoprop	ug/l	AS	16	16	0	0.000	< 0.011	< 0.011	< 0.011
Mercury	ug per l	S	8	8	0	0.000	< 0.041	< 0.041	< 0.041
Metalaxyl	ug/l	AS	16	16	0	0.000	< 0.010	< 0.010	< 0.010
Metamitron	ug/l	AS	16	16	0	0.000	< 0.007	< 0.007	< 0.007
Metazachlor	ug/l	AS	16	16	0	0.000	< 0.015	< 0.015	< 0.015
Metoxuron	ug/l	AS	16	16	0	0.000	< 0.008	< 0.008	< 0.008
Metribuzin	ug/l	AS	16	16	0	0.000	< 0.006	< 0.006	< 0.006
Nickel	ug Ni/l	S	8	8	0	0.000	0.270	0.745	2.000
Nitrate	mg/l	S	8	8	0	0.000	1.500	2.600	5.000
Nitrate/Nitrite Formula		S	8	8	0	0.000	< 0.030	< 0.052	< 0.100
Nitrite	mg/l	S	8	8	0	0.000	< 0.030	< 0.030	< 0.030
Odour	Diln No	S	52	52	0	0.000	0.000	0.000	0.000
Oxamyl	ug/l	AS	16	16	0	0.000	< 0.002	< 0.002	< 0.002

2023 Public Register

WATER SUPPLY ZONE - ZN0607 - Corrody Derry

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Delivering what matters

Parameter	Units	Type	No samples planned for year	No samples taken in year	No samples contravening PCV	% samples contravening PCV	Concentration or value (all samples)		
							Min	Mean	Max
PAH - Sum of four substances	ug/l	S	8	8	0	0.000	0.000	0.000	0.000
Pendimethalin	ug/l	AS	16	16	0	0.000	< 0.006	< 0.006	< 0.006
Pesticides - Total Substances	ug/l	AS	16	16	0	0.000	0.000	0.013	0.065
Phorate	ug/l	AS	16	16	0	0.000	< 0.009	< 0.009	< 0.009
Pirimicarb	ug/l	AS	16	16	0	0.000	< 0.006	< 0.006	< 0.006
Propachlor	ug/l	AS	16	16	0	0.000	< 0.010	< 0.010	< 0.010
Propiconazole	ug/l	AS	16	16	0	0.000	< 0.003	< 0.003	< 0.003
Propyzamide	ug/l	AS	16	16	0	0.000	< 0.012	< 0.012	< 0.012
Prothioconazole	ug/l	AS	16	16	0	0.000	< 0.002	< 0.002	< 0.002
Selenium	ug/l Se	S	8	8	0	0.000	< 0.057	< 0.108	< 0.410
Sodium	mg Na/l	S	8	8	0	0.000	8.500	10.300	12.000
Sulphate	mg SO4/l	S	8	8	0	0.000	43.000	64.500	100.000
Taste	Diln No	S	52	52	0	0.000	0.000	0.000	0.000
Tebuconazole	ug/l	AS	16	16	0	0.000	< 0.004	< 0.004	< 0.004
Tetrachloroethene/Trichloroethene - Sum	ug/l	S	8	8	0	0.000	< 0.770	< 0.770	< 0.770
Tetrachloromethane	ug/l	S	8	8	0	0.000	< 0.410	< 0.410	< 0.410
Total - Residual disinfectant	mg Cl/l	S	156	156	0	0.000	0.090	0.375	0.900
Total coliforms	CFU/100 ml	S	156	156	2	1.282	0.000	0.077	9.000
Total Indicative Dose	mSv/year	AS	2	2	0	0.000	< 0.100	< 0.100	< 0.100
Total Organic Carbon	mg C/l	S	8	8	0	0.000	1.800	2.275	2.800
Total Trihalomethanes	ug/l	S	8	8	3	37.500	56.000	94.125	150.000
Triclopyr	ug/l	AS	16	16	0	0.000	< 0.012	< 0.012	< 0.012
Tritium	Bq/l	AS	2	2	0	0.000	< 10.000	< 10.000	< 10.000
Turbidity	NTU	S	52	52	0	0.000	< 0.090	< 0.121	0.290

PCV Exceedances:

- Sample failed 26-JUN-2023 (ZN0607AE) Total Trihalomethanes = 110 ug/l.
- Sample failed 14-AUG-2023 (ZN0607AE) Total Trihalomethanes = 150 ug/l.
- Sample failed 26-SEP-2023 (ZN0607AE) Total Trihalomethanes = 110 ug/l.
- Sample failed 26-SEP-2023 (ZN0607AE) Total coliforms = 9 CFU/100.
- Sample failed 11-SEP-2023 (ZN0607AE) Total coliforms = 3 CFU/100.

Notes:

- PCV = Prescribed Concentration or Value
- Commentary on Water Quality:
- U = Undertaking
- S = Standard Sampling Frequency
- R = Reduced Sampling Frequency
- A = Authorised Supply Point

A: Supply point authorisation for pesticides and related products.

Population of zone = 59806

This zone has a surface water source :R1701