Quarterly Water Quality Report
for the
Department of Health

Report to the Department of Health
by
Country Heights Water Pty Ltd
for the period
1 April 2026 to 30 June 2026

CONTENTS

1.0	**WATER PROVIDER INFORMATION**	**2**
2.0	**PERFORMANCE SUMMARY**	**4**
3.0	**MICROBIAL PERFORMANCE**	**5**
3.1	Microbiological - Exception Notifications	5
4.0	**CHEMICAL - HEALTH RELATED PERFORMANCE**	**6**
4.1	Chemical - Health Related - Exception Notifications	6
4.2	Chemical – Health Guideline	6
5.0	**CHEMICAL - AESTHETIC PERFORMANCE**	**7**
5.1	Chemical – Aesthetic Guideline	7
5.2	Chemical - Aesthetic - Incident Specific Information	7
5.2.1	Zone 1 Country Heights Estate Water Treatment Plant (WTP) and Display Home (DH)	7
6.0	**RADIOLOGICAL PERFORMANCE**	**8**
6.1	Radiological - Exception Notifications	8
6.2	Radiological Performance	8
7.0	**PLANNED SAMPLE SUMMARY**	**9**
7.1	Planned Sample Exceptions	9
8.0	**GENERAL NOTES**	**10**
8.1	Sampling for Per- and Polyfluorinated Substances (PFAS)	10

1.0 Water Provider Information

Water Provider Contact Details	
Name of Company	Country Heights Water Pty Ltd ABN 72 624 317 746
Company Address	PO Box 7584 Cloisters Square Perth WA 6850
Company Phone	+61 (0) 449 898 511 and 24-hr number: (08) 9324 4360
Company e-mail	admin@countryheightswater.com.au
Chief Executive Officer	Jerry Goh
CEO e-mail	jerry@claymont.com.au
DoH Liaison Officer	Carel van der Westhuizen Pendragon Environmental Solutions
DoH Liaison Officer e-mail	carel@pendragonenvironmental.com

Water Treatment and Distribution

Water from the Leederville confined aquifer is pumped into a 375-kilolitre raw water tank from where the water passes through a sediment filter (which produces high-quality water without iron, manganese and turbidity not using any chemicals) prior to pH adjustment (using sodium hydroxide [NaOH] when pH is too low and hydrochloric acid [HCl] when pH is too high) before disinfection with chlorine.

The treated water is then distributed to maintain the residual chlorine in the reticulation at a level of 0.4 milligrams per litre.

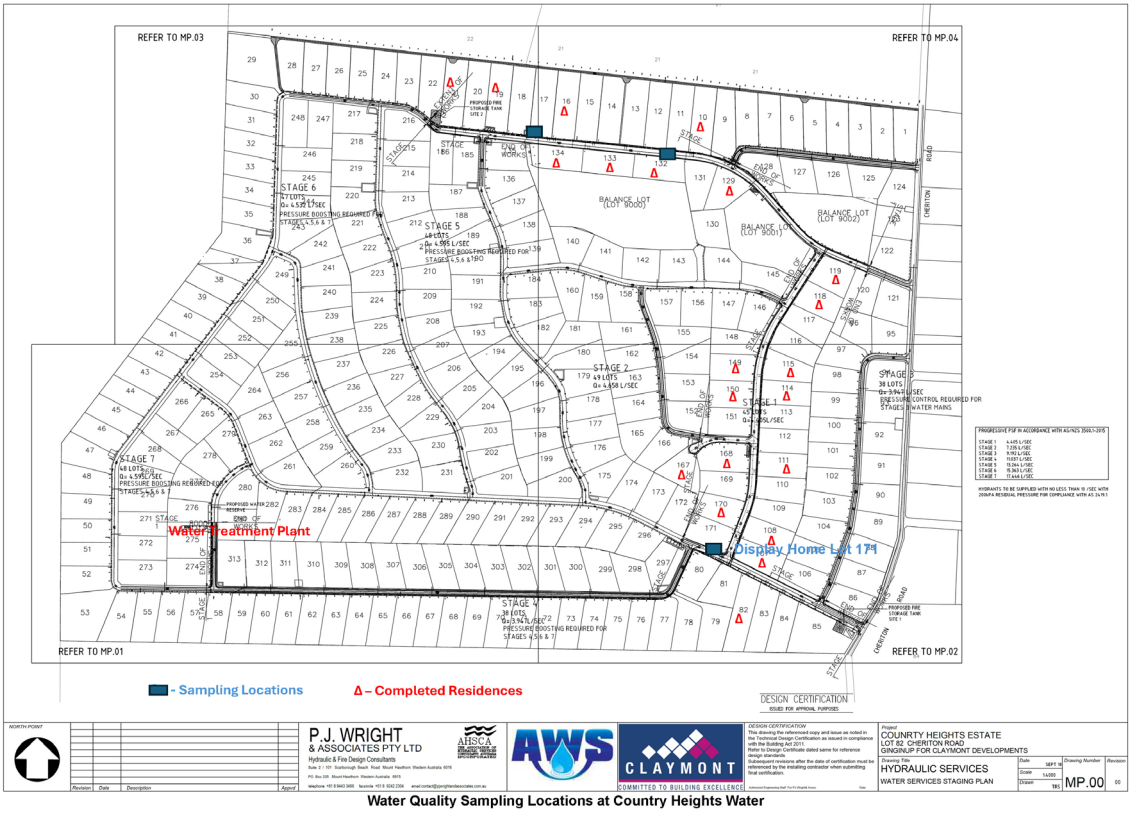
Treatment is monitored continuously and regularly tested by a NATA accredited laboratory to ensure it meets the requirements of the ADWG and DoH.

The water is not fluoridated.

The treated water is stored in a 375-kilolitre storage tank adjacent to the Water Treatment Plant for distribution (gravity fed) by a reticulation network to customers in the Country Heights Estate.

Materials used within the bore installation, Water Treatment Plant, storage tanks and reticulation network are approved under Australian Standard AS/NZS 4020 (Testing of Products for Use in Contact with Drinking Water) and comply with the DoH directive Materials and Substances in Contact with Drinking Water Requirements and the MOU.

Currently water quality is monitored at the Water Treatment Plant (WTP), the Display Home (DH), Lot 132 and Lot 17:



Water Quality Sampling Locations at Country Heights Water

2.0 Performance Summary

Water Quality Meeting the Drinking Water Guidelines/Minister of Health's Directions			
Microbiological Quality	**Zone 1[1] Water Treatment Plant (WTP)**		
	No. Assessed[2]	**No. within Guidelines**	**Variance[3]**
Thermotolerant Coliforms / *E.coli*	3	3	0
Amoeba (Thermophilic Naegleria)	3	3	0
Chemical Quality[4]			
Chemical – Health Guideline[5] including Total Trihalomethanes	3	3	0
Chemical – Aesthetic[6]	1	1	0
Radiological	0	0	0
	Zone 1[1] Display Home (DH Lot 171), Lot 17 and Lot 132		
	No. Assessed[2]	**No. within Guidelines**	**Variance[3]**
Thermotolerant Coliforms / *E.coli*	3	3	0
Amoeba (Thermophilic Naegleria)	3	3	0
Chlorine	9	9	0

Notes:
(1) Table may be expanded or collapsed according to the number of zones.
(2) Number of samples taken for the quarter/year.
(3) Number of samples that do not comply with the drinking water guidelines.
(4) Chemical performance is based on the results of the quarter.
(5) Chemicals tested with a health guideline value – refer to Small Community Sampling Grid.
(6) Chemicals without health guideline values.

3.0 Microbial Performance

3.1 Microbiological - Exception Notifications

Microbiological Water Quality Exceptions							
Region/Scheme/ Zone/Service Provider	Population served	Date	Microbiological Characteristic	Alert Level	Remedial Action	DoH Notified	Close Out Date
Zone 1 (WTP) and (DH Lot 171, Lot 132 and Lot 17): none							

4.0 Chemical - Health Related Performance

4.1 Chemical - Health Related - Exception Notifications

Health Related Chemical Water Quality Exceptions							
Region/Scheme/Zone/ Service Provider	Population served	Date	Health Related Chemical Characteristic	MoU Alert Level	Remedial Action	DoH Notified	Close Out Date
1 – none							

4.2 Chemical – Health Guideline

Zone 1 Country Heights Estate Water Treatment Plant (WTP)				
Health Characteristic	No of Analyses	No of Analyses Complying	% Compliance	Maximum Concentration (mg/L)
Total Trihalomethanes, THM (0.25 mg/L)	3	3	100	<0.005
Fluoride, F (1.5 mg/L)	1	1	100	<0.1
Nitrite, as NO_3 (50 mg/L)	1	1	100	<0.01
Nitrate, as NO_2 (3 mg/L)	1	1	100	0.02
Antimony, Sb (0.003 mg/L)	1	1	100	<0.001
Arsenic, As (0.01 mg/L)	1	1	100	<0.001
Barium, Ba (0.7 mg/L)	1	1	100	0.238
Bismuth, Bi (10 mg/L)	December 2025		100	<0.001
Boron, B (4 mg/L)	1	1	100	<0.05
Cadmium, Cd (0.002 mg/L)	1	1	100	<0.0001
Copper, Cu (2 mg/L)	1	1	100	0.003
Lead, Pb (0.005 mg/L)	1	1	100	<0.001
Manganese, Mn (0.1 mg/L)	1	1	100	0.004
Mercury, Hg (0.001 mg/L)	1	1	100	<0.0001
Molybdenum, Mo (0.05 mg/L)	1	1	100	<0.001
Nickel, Ni (0.02 mg/L)	1	1	100	0.007
Selenium, Se (0.4 mg/L)	1	1	100	<0.004
Silver, Ag (0.1 mg/L)	1	1	100	<0.001
Total Samples Taken	**4**	**All**	**100**	**-**

5.0 Chemical - Aesthetic Performance

5.1 Chemical – Aesthetic Guideline

Zone 1 Country Heights Estate Water Treatment Plant (WTP)				
Aesthetic Characteristic	No of Analyses	No of Analyses Complying	% Compliance	Maximum Concentration (mg/L or other)
pH (6.5 - 8.5 pH unit)	1	1	100	7.27
Total Dissolved Solids, TDS at 180^{o}C (600mg/L)	1	1	100	276
Sulfate, SO_4 (250 mg/L)	1	1	100	12
Total Hardness (as $CaCO_3$; 200 mg/L	1	1	100	42
Turbidity (5 NTU)	1	1	100	0.2
Ammonia, NH_3 (0.5 mg/L)	1	1	100	0.06
Aluminium, Al (0.2 mg/L)	1	1	100	<0.01
Iron, Fe (0.3 mg/L)	1	1	100	<0.05
Manganese, Mn (0.05 mg/L)	1	1	100	0.004
Zinc, Zn (3 mg/L)	1	1	100	0.017
Total Samples Taken	**1**	**All**	**100**	**-**

5.2 Chemical - Aesthetic - Incident Specific Information

5.2.1 Zone 1 Country Heights Estate Water Treatment Plant (WTP) and Display Home (DH)

No reportable incidents during quarter.

6.0 Radiological Performance

6.1 Radiological - Exception Notifications

Radiological Water Quality Exceptions							
Zone	Population served	Date	Radiological Characteristic	Alert Level	Remedial Action	DoH Notified	Close Out Date
1 - none							

6.2 Radiological Performance

Zone 1 Country Heights Estate Water Supply Bore CEPB1) Country Heights Water undertakes radiological monitoring once a year during the January Quarter: a sample was taken in March 2026.				
Radiological Characteristic	No of Analyses	No of Analyses Complying	% Compliance	Max Value (Bq/L)
Gross Alpha (0.5)			100	
Gross Beta (0.5)			100	
Bq/L is Becquerels/Litre.				

7.0 Planned Sample Summary

Zone	Microbiological			Chemical			Radiological		
	Planned	Taken	% Taken	Planned	Taken	% Taken	Planned	Taken	% Taken
Zone 1 (WTP) and Zone 2 (DH – Lot 171)	3 3	3 3	100 100	1	1	100	1	1	1
Fluoridation of drinking water is not undertaken; hence sampling is not warranted.									

7.1 Planned Sample Exceptions

Planned Sample Exceptions				
Zone	Sampling Point	Date Due	Characteristic (Microbiological/Chemical/ Radiological)	Reason for missed sample
None				

8.0 General Notes

Country Heights Water Pty Ltd adheres strictly to the Guidelines and Regulations of the Department of Health Department WA (DoH) to ensure the safety and health of consumers at the Country Heights Estate are not compromised. The steps we take to treat and disinfect and ensure the drinking water we provide is safe, include targeting microorganisms, as explained below, and implementing recognised industry practices as remedial efforts to combat any of these microorganisms in the potable water we provide and accordingly implement routine monitoring, sampling and analytical testing to ensure our practices are effective and safe.

Micro-organisms (or microbes) are microscopic living organisms, occurring naturally in our environment, in air, soil and in water bodies; some are beneficial, but some may impact human health. Pathogens (pathogenic micro-organisms) are micro-organisms that cause disease or illness; the most common and widespread health risk to humans is associated with drinking water contaminated by pathogens. Organisms associated with faecal matter from humans or other mammals cause several waterborne diseases. It is impossible to test for the presence of all pathogens that may be present in water. The Australian Drinking Water Guidelines recommend testing for the presence of *Escherichia coli (E. coli)* as an indicator of faecal pathogen contamination. The Australian Drinking Water Guidelines state that *E. coli* should not be present in a minimum 100mL sample of drinking water. Thermophilic *Naegleria* refers to a group of common water borne *amoebae* which includes *Naegleria fowleri*, an environmental pathogen living in fresh warm water, and the organism that causes primary amoebic meningoencephalitis, a serious condition, which requires prompt medical treatment to prevent secondary brain damage, neurological (nerve) disorders, or coma.

Country Heights Water Pty Ltd will immediately notify the DoH of any confirmed detection of *E. coli* or Thermophilic *Naegleria* in any microbiological analysis of a sample of water.

8.1 Sampling for Per- and Polyfluorinated Substances (PFAS)

PFAS are a large, complex group of manufactured chemicals that are ingredients in various everyday products. For example, they are used to keep food from sticking to packaging or cookware, make clothes and carpets resistant to stains and water, and create a more effective foam for firefighting. PFAS are used in industries such as aerospace, automotive, construction, and electronics.

Research conducted to date reveals possible links between human exposures to PFAS and adverse health outcomes. These health effects include altered metabolism, fertility, reduced foetal growth and increased risk of being overweight or obese, increased risk of some cancers, and reduced ability of the immune system to fight infections. While knowledge about the potential health effects of PFAS has grown, many questions remain unanswered with further investigation and research continuing.

PFAS Performance

Zone 1 Country Heights Estate Water Supply Bore CEPB1) Country Heights Water will continue to undertake sampling for PFAS once a year during the December quarter.				
Health Characteristic	No of Analyses	No of Analyses Complying	% Compliance	Max Value (µg/L)
Perfluorooctanoic acid (PFOA): 0.2 µg/L	-	-	-	-
Perfluorooctane sulfonic acid (PFOS): 0.008 µg/L	-	-	-	-
Perfluorohexane sulfonic acid (PFHxS): 0.03 µg/L	-	-	-	-
Perfluorobutane sulfonic acid (PFBS): 1 µg/L	-	-	-	-
µg/L is microgram per litre.				

The next sampling event is scheduled for November 2026.

Notes:

The Australian Drinking Water Guidelines (ADWG) are available from:
https://www.nhmrc.gov.au/about-us/publications/australian-drinking-water- guidelines.

DoH currently uses Australian Drinking Water Guidelines 6, 2011, Version 4.0 updated June 2025.

The DoH Fact Sheet Materials, Products and Substances in contact with Drinking Water, May 2023 is available from:
https://www.health.wa.gov.au/~/media/Files/Corporate/general-documents/water/PDF/MaterialsSubstancesDrinkingWater.pdf