BHP

Western Australia Iron Ore (WAIO)

Quarterly Drinking Water Quality Report - Newman WL53 Operating Area

July- September 2026



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1 Water Provider Information

Water Provider Contact Details	
Name of Company	BHP Western Australia Iron Ore
Company Address	PO Box 7122 Cloisters Square Perth WA 6850
General Manager Infrastructure and Services	E. Hayley
DoH Liaison Officer	N. Morris
Customer Enquiries	1800 421 077

2 Performance Summary

Water Quality Meeting the *Australian Drinking Water Guidelines v3.7 2022*			
	Newman Water Treatment Plant		
	Number of Samples Assessed	**Number of Samples Within Guidelines**	**Number of Non-Conformances to Guidelines**
Microbiological			
E. coli	31	31	0
Amoeba (Thermophilic *Naegleria*)	31	31	0
Chemical			
Chemical - Health	80	80	0
Chemical - Aesthetic	73	73	0
Radiological	0	0	0
	Newman Mine Services Industrial Area		
	Number of Samples Assessed	**Number of Samples Within Guidelines**	**Number of Non-Conformances to Guidelines**
Microbiological			
E. coli	3	3	0
Amoeba (Thermophilic *Naegleria*)	3	3	0
Chemical			
Chemical - Health	3	3	0
Chemical - Aesthetic	6	6	0
Radiological	0	0	0
	Newman North West Area		
	Number of Samples Assessed	**Number of Samples Within Guidelines**	**Number of Non-Conformances to Guidelines**
Microbiological			
E. coli	3	3	0
Amoeba (Thermophilic *Naegleria*)	3	3	0
Chemical			
Chemical - Health	3	3	0
Chemical - Aesthetic	6	6	0
Radiological	0	0	0

3 Microbial Performance

3.1 Microbiological – Compliance Summary

Newman Water Treatment Plant				
Microbiological Parameter	**Compliance Criteria**	**Number of samples**	**Number of Compliant Samples**	**Compliance %**
Bacterial				
E. coli	Non-Detect	31	31	100
Amoeba				
Thermophilic *Naegleria*	Non-Detect	31	31	100

Newman Mine Services Industrial Area				
Microbiological Parameter	**Compliance Criteria**	**Number of samples**	**Number of Compliant Samples**	**Compliance %**
Bacterial				
E. coli	Non-Detect	3	3	100
Amoeba				
Thermophilic *Naegleria*	Non-Detect	3	3	100

Newman North West Area				
Microbiological Parameter	**Compliance Criteria**	**Number of samples**	**Number of Compliant Samples**	**Compliance %**
Bacterial				
E. coli	Non-Detect	3	3	100
Amoeba				
Thermophilic *Naegleria*	Non-Detect	3	3	100

3.2 Microbiological – Exception Notification

Microbiological Water Quality Exceptions						
Locality	Population served	Date Result Notified	Microbiological Parameter	Alert Level	Date DoH Notified	Close Out Date

3.3 Microbiological – Incident Specific Information

No exception notifications recorded Quarter 3 2026.

4 Chemical – Health Related Performance

4.1 Chemical – Health Related – Compliance Summary

Newman Water Treatment Plant						
Parameter	Units	ADWG Health-Related Guideline	Number of Samples Assessed	Number of Compliant Samples	Compliance %	Maximum Value
Free Chlorine	mg/L	5	31	31	100	1.4
Antimony	mg/L	0.003	2	2	100	<0.001
Arsenic	mg/L	0.01	1	1	100	<0.0005
Benzene	mg/L	0.001	1	1	100	<0.0005
Bismuth	mg/L	N/A	2	2	100	<0.0005
Bromate	mg/L	0.02	1	1	100	<0.005
Cadmium	mg/L	0.002	3	3	100	<0.00005
Chlorite	mg/L	0.8	1	1	100	<0.05
Chromium (as Cr VI)	mg/L	0.05	3	3	100	<0.0005
Copper	mg/L	2	2	2	100	<0.0005
Ethylbenzene	mg/L	0.3	1	1	100	<0.0005
Lead	mg/L	0.01	3	3	100	<0.0005
Mercury	mg/L	0.001	1	1	100	<0.00005
Molybdenum	mg/L	0.05	2	2	100	0.0011
Nickel	mg/L	0.02	3	3	100	<0.001
Nitrilotriacetic acid	mg/L	0.2	1	1	100	<0.01
Polycyclic aromatic hydrocarbons (Benzo-(a)-pyrene)	mg/L	0.00001	1	1	100	<0.000005
Silicon	mg/L	N/A	2	2	100	8.0
Toluene	mg/L	0.8	1	1	100	<0.0005
Uranium	mg/L	0.02	3	3	100	0.0056
Xylene	mg/L	0.6	1	1	100	<0.0005

Note: Trihalomethanes, Pesticides and inorganic parameters are collected on a yearly frequency. Results may be viewed in the annual report.

Newman Water Treatment Plant						
Parameter	Units	ADWG Health-Related Guideline	Number of Samples Assessed	Number of Compliant Samples	Compliance %	Maximum Value
Fluoride	mg/L	1.5	14	14	100	0.9

Note: As of October 2023, fluoridated water is supplied to Newman WL53 Operating Area. See DoH media release (Fluoridated drinking water in Newman set to combat tooth decay (health.wa.gov.au)).

Newman Mine Services Industrial Area						
Parameter	Units	ADWG Health-Related Guideline	Number of Samples Assessed	Number of Compliant Samples	Compliance %	Maximum Value
Free Chlorine	mg/L	5	3	3	100	1.3

Newman North West Area						
Parameter	Units	ADWG Health-Related Guideline	Number of Samples Assessed	Number of Compliant Samples	Compliance %	Maximum Value
Free Chlorine	mg/L	5	3	3	100	1.3

Note: Chlorine (as Free Chlorine residual) measured by field test instrument.
Chemical Health results other than chlorine for Mine Services Industrial Area and North West Area are represented by Newman Water Treatment Plant data.

4.2 Chemical – Health Related – Exception Notifications

Health Related Chemical Water Quality Exceptions						
Locality	Population served	Date Result Notified	Health Related Chemical Characteristic	Alert Level	Date DoH Notified	Close Out Date

4.3 Chemical – Health Related – Incident Specific Information

No exception notifications recorded Quarter 3 2026.

5 Chemical - Aesthetic Performance

5.1 Chemical – Aesthetic – Compliance Summary

Newman Water Treatment Plant						
Parameter	Units	ADWG Aesthetic-Related Guideline	Number of Samples Assessed	Number of Compliant Samples	Compliance %	Maximum Value
pH		6.5-8.5	31	31	100	7.6
Turbidity	NTU	5	31	31	100	0.4
Chloride	mg/L	250	1	1	100	75
Hardness (as Calcium carbonate)	mg/L	200	3	3	100	140
Iron	mg/L	0.3	3	3	100	<0.005
Silica	mg/L	80	1	1	100	17
Total dissolved solids	mg/L	600	1	1	100	300
Zinc	mg/L	3	2	2	100	0.0015

Newman Mine Services Industrial Area						
Parameter	Units	ADWG Aesthetic-Related Guideline	Number of Samples Assessed	Number of Compliant Samples	Compliance %	Maximum Value
pH		6.5 – 8.5	3	3	100	7.4
Turbidity	NTU	5	3	3	100	0.1

Newman North West Area						
Parameter	Units	ADWG Aesthetic-Related Guideline	Number of Samples Assessed	Number of Compliant Samples	Compliance %	Maximum Value
pH		6.5 – 8.5	3	3	100	7.5
Turbidity	NTU	5	3	3	100	0.2

Note: pH and Turbidity measured by field test instrument.
Chemical Aesthetic results other than pH and turbidity for Mine Services Industrial Area and North West Area are represented by Newman Water Treatment Plant data.

To ensure effective disinfection and maintain microbial safety of drinking water throughout the system, BHPIO has made an operating decision to maintain chlorine levels above the ADWG aesthetic guideline value of 0.6 milligrams per litre.

6 Radiological Performance

6.1 Radiological – Compliance Summary

Newman Water Treatment Plant						
Parameter	Units	ADWG Screening Level	Number of Samples Assessed	Number of Compliant Samples	Compliance %	Maximum Value

Next Radiological samples scheduled for October 2027.

6.2 Radiological – Exception Notifications

Radiological Water Quality Exceptions					
Locality	Population served	Date Result Notified	Radiological Characteristic	Date DoH Notified	Close Out Date

6.3 Radiological – Incident Specific Information

No exception notifications recorded Quarter 3 2026.

7 Planned Sample Summary

7.1 Planned Sample – Compliance Summary

Newman Water Treatment Plant								
Microbiological			Chemical			Radiological		
Planned	Taken	%	Planned	Taken	%	Planned	Taken	%
62	62	100	153	153	100	0	0	-

Newman Mine Services Industrial Area								
Microbiological			Chemical			Radiological		
Planned	Taken	%	Planned	Taken	%	Planned	Taken	%
6	6	100	9	9	100	0	0	-

Newman North West Area								
Microbiological			Chemical			Radiological		
Planned	Taken	%	Planned	Taken	%	Planned	Taken	%
6	6	100	9	9	100	0	0	-

7.2 Planned Sample – Exceptions

Planned Samples Exceptions			
Locality	Planned Date	Parameter	Reason for Missed Sample

8 General Notes/Other News

Reporting for Newman WL53 Operating Area started as of July 2021 following the issue of Water Services Licence (WL53) in June 2021 by ERA. For further information, see Regulatory information | BHP.

Newman Water Treatment Plant is the supply handover point to Water Corporation. For further information on Newman town water quality data, see Water Corporation Annual Drinking Water Report (Drinking Water Quality Perth & WA | Water Quality Testing & More (watercorporation.com.au)).

BHPIO has prepared Customer Charter in December 2020. Any enquiries, suggestions or complaints on the way we deliver our services, or if you would like any further information about the quality of water we supply, please contact BHPIO on 1800 421 077.

As part of infrastructure upgrades at the Newman Water Treatment Plant, construction of a 20 million litre concrete drinking water tank (TK106) was completed in September 2026. Commissioning activities have commenced.