



SHIRE OF EAST PILBARA NEWMAN AIRPORT WATER QUALITY REPORT

April – June 2021

Table of Contents

Water Provider Information	3
System Information.....	3
Performance Summary	4
Microbial Performance	5
Microbiological Incident Specific Information	6
Microbiological General Information	6
Chemical – Health Related Performance	7
Chemical – Health Related – Exception Notifications	7
Chemical – Health Related	7
Chemical – Aesthetic Related.....	7
Chemical – Aesthetic Performance	8
Chemical - Aesthetic.....	8
Chemical - Health	8
Chemical – Aesthetic – Incident Specific Information.....	8
Radiological Performance	9
Radiological – Exception Notifications	9
Radiological Performance	9
Planned Sample Summary	10
General Notes / Other News	11

WATER PROVIDER INFORMATION

WATER PROVIDER CONTACT DETAILS

Name Of Company	Shire of East Pilbara		
Company Address	PMB 22, Newman WA 6753		
Company Phone	(08) 9175 8000	Fax	(08) 9175 2668
Company Email	admin@eastpilbara.wa.gov.au		
Chief Executive Officer	Steven Harding		
CEO Email	ceo@eastpilbara.wa.gov.au		
DOH Liaison Officer	Senior Environmental Health Officer		
DOH Liaison Officer Email	seho@eastpilbara.wa.gov.au		

System Information

Locality						
Zone Name & Number	Number of Consumers	Average Amount of Water Supplied (L/Day)	Sources of Water (% Bore/Surface Catchment)	Treatment Systems	Length of Mains	Number of Sample Points
(1) Newman Airport	10x Residential Tenants 10x Business Tenants 1x RPT Terminal	12,000	100% Bore	Reverse Osmosis plus chlorination	2.9kms	6

PERFORMANCE SUMMARY

Water Quality Meeting The Drinking Water Guidelines/Minister Of Health's Directions			
Microbiological quality	No assessed¹	Zone 1² No Within Guidelines	Variance³
Thermotolerant Coliforms / <i>E. Coli</i>	15	15	0
Amoeba (Thermophilic <i>Naegleria</i>)	15	15	0
Chemical quality⁴			
Chemical – Health Related ⁵	0	0	0
Chemical – Aesthetic ⁶	0	0	0
Radiological	0	0	0

¹ Number of samples taken for the quarter

² Table maybe expanded or collapsed according to the number of zones

³ Number of samples that do not comply with the drinking water guidelines

⁴ Chemical performances based on the results of the quarter

⁵ Chemical tested with a health guideline value

⁶ Chemicals without health guideline values

MICROBIAL PERFORMANCE

Microbiological Water Quality Exceptions							
Region / Scheme / Zone / Service Provider	Volume Of Water Provided (L/day)	Date	Microbiological Character	Alert Level	Remedial Action	DoH Notified	Close Out Date
1	12,000	NIL	NIL	NIL	NIL	NIL	NIL

Microbiological Incident Specific Information

Zone 1

A total of 15 microbiological potable water samples were collected in this quarter of the 2020/21 financial year. Both Thermotolerant Coliforms/*E. Coli* and Amoeba (Thermophilic *Naegleria*) results were within the recommended values for all samples collected and tested over this reporting period.

Microbiological General Information

Micro-organisms (or microbes) are microscopic living organisms, occurring naturally in our environment - in the air, soil and in water bodies. Some are beneficial to life but some can have serious health impacts to humans. Pathogens (pathogenic micro-organisms) are micro-organisms that cause disease or illness. The most common and widespread health risk to people 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" recommends 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*, the organism that causes the serious disease primary amoebic meningoencephalitis (PAM). *Naegleria fowleri* is an environmental pathogen which naturally lives in fresh warm water.

The Shire immediately notifies the Department of Health WA of any confirmed detection of *E.coli* or Thermophilic *Naegleria* in any microbiological analysis of a drinking water sample.

The "Australian Drinking Water Guidelines" are available to view at –

<https://www.nhmrc.gov.au/about-us/publications/australian-drinking-water-guidelines>

CHEMICAL – HEALTH RELATED PERFORMANCE

Chemical – Health Related – Exception Notifications

Health Related Chemical Water Quality Exceptions							
Region/Scheme/Zone/Service Provider	Volume of Water (L/day)	Date	Health Related Chemical Characteristic	Alert Level	Remedial Action	DoH Notified	Close Out Date
1	12,000	None	None	None	None	None	None

Chemical – Health Related

No potable water samples were collected for chemical analysis in this quarter.

Chemical – Aesthetic Related

No potable water samples were collected for chemical analysis in this quarter.

CHEMICAL – AESTHETIC PERFORMANCE

Chemical - Aesthetic

N/A

Chemical – Health

N/A

Chemical - Aesthetic - Incident Specific Information

N/A

NB: No samples were collected for chemical analysis during this reporting period.

RADIOLOGICAL PERFORMANCE

Radiological – Exception Notifications

Radiological Water Quality Exceptions							
Zone	Population Served	Date	Radiological Characteristic	Alert Level	Remedial Action	DoH Notified	Close Out Date
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Radiological Performance

Scheme/Service Provider	
Zone	% Samples within Range
A	NIL

NB: No samples were collected for radiological analysis during this reporting period.

PLANNED SAMPLE SUMMARY

Zone	Microbiological			Chemical			Radiological			Fluoride (If Fluoridating)		
	Planned	Taken	% Taken	Planned	Taken	% Taken	Planned	Taken	% Taken	Planned	Taken	% Taken
1	15	15	100%	0	0	0%	0	0	0%	0	0	0%

Zone	Sampling Point	Due Date	Characteristic (Radiological/Microbiological/Chemical)	Reason for Missed Sample
				NIL

GENERAL NOTES/OTHER NEWS

For any queries or concerns regarding the drinking water supply at the Newman Airport please contact the Shire of East Pilbara on 08 9175 8000.