

ESR: Surveillance Report – Drinking Water Supply

1. Water Stations

Date tested: 08.08.2019

No.	Water Stations	Water Treatment System	Laboratory test		Remarks
			Membrane Filtration		
			Total coliform <5/100ml	Faecal coliform 0/100ml	
	SCHOOLS				Results 5 x stations with faecal contamination over the recommended standard.
1	Avarua School	UV	2	0	
2	Nukutere College	UV	0	0	The result also indicates some failures in the water treatment system
3	St Joseph School	UV	0	0	
4	Tereora College Admin office	UV	0	0	
5	Princess Anne Hall	UV	2	0	Titikaveka Pre-school have no water treatment but planning to install one soon
6	Nikao School	UV	34	0	
7	Blackrock Pre-School	UV	0	0	
8	Arorangi School	UV	50	7	- Display "Red" signs at the water stations of concern.
9	Rutaki School	UV	80		- Inform water station caretakers to check and clean the treatment system
10	Papaaroa School	UV	0	0	
11	Titikaveka College	UV	31	4	- Follow up tests after maintenance
12	Titikaveka Pre-School	No treatment	210	130	
13	Akatemia Imanuela School	UV	4	0	
14	Apiti Te Uki Ou	UV	1	1	
15	Takitumu School	UV	136	40	
	OTHERS				
16	Blackrock Clinic	UV	0	0	
17	Prison	UV	0	0	

2. Interpretation:

Faecal coliforms in water are indicators of possible faecal contamination by warm-blooded animals.

For Chlorinated or Treated water (WHO recommendation)

Faecal coliform count 0/100ml
 Total coliform count <5/100ml.

For Unchlorinated or untreated water (WHO recommendation)

Total Faecal coliform count/100ml:

0/100ml (E) Excellent result
 1-10/100ml (A) Acceptable (require regular sanitary check)
 10-50/100ml (U) Unacceptable (faulty system, to be checked)
 >50/100ml (G) grossly polluted