



REPUBLIC OF THE MARSHALL ISLANDS
ENVIRONMENTAL PROTECTION AUTHORITY

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December 8, 2014

To : Lowell Alik, General Manager, RMIEPA

Subject : Coastal Water Quality Monitoring Data – November, 2014.

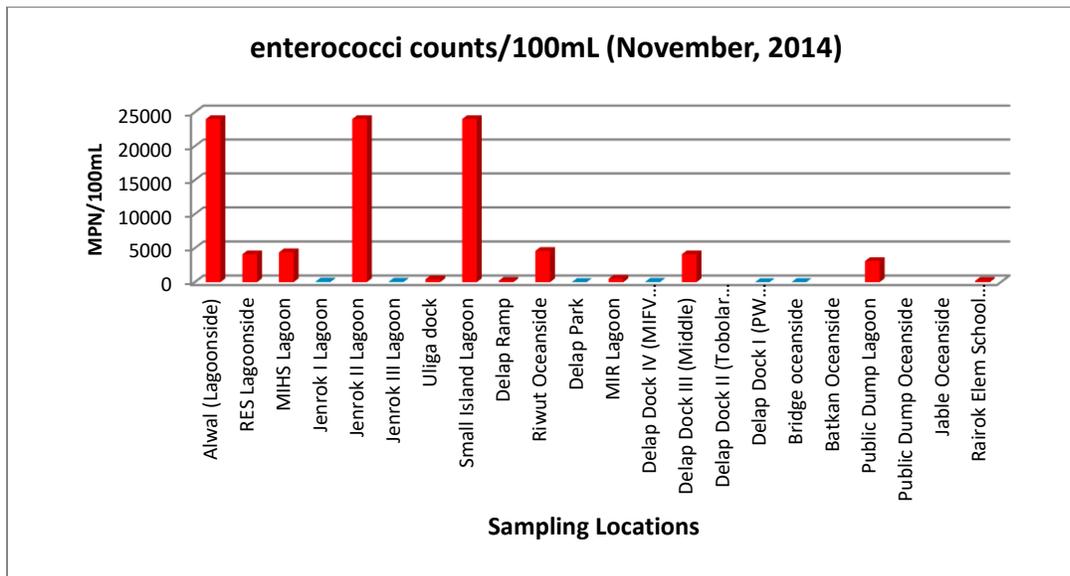
Marine Water Quality Monitoring (Bacteria) Data

Item No	Majuro Coastal		MPN/100mL	Status
	Name/Location	November		
1	Alwal Lagoon	24000	24000	Not OK
2	RES Lagoon	4100	4100	Not OK
3	MIHS	4400	4400	Not OK
4	Jenrok I (Utirikian)	100	100	OK
5	Jenrok II (MWSC Pump House)	24000	24000	Not OK
6	Jenrok III (Mieco Lagoon)	90	90	OK
7	Uliga Dock	420	420	Not OK
8	Small Island (Ref. Cong. Church)	24000	24000	Not OK
9	Riwut Corner Oceanside	4600	4600	Not OK
10	Delap Ramp	200	200	Not OK
11	Delap Park Lagoon	30	30	OK
12	MIR Lagoon	500	500	Not OK
13	Delap Dock IV (MIFV)	70	70	OK
14	Delap Dock III (Sea Patrol)	4100	4100	Not OK
15	Delap Dock II (Tobolar Lagoon)			
16	Delap Dock I (Public Works Lagoon)	10	10	OK
17	Bridge Oceanside	30	30	OK
18	Batkan Oceanside (300yds East of Public Dump)			
19	Public Dump Oceanside			
20	Public Dump Lagoonside	3100	3100	Not OK
21	Jabre Oceanside (300 Yds from Public Dump)			
22	Rairok Elementary School Lagoonside	200	200	Not OK

Analysis/Recommendations:

A total of eighteen (18) coastal sites were sampled in November, 2014. These are from Rairok elementary school to end of Rita (Alwal). According to the test results, only six (6) or about 33% met the safe standard for marine recreational water (104MPN/100mL) – these are Jenrok I (north end of Jenrok Lagoon); Jenrok III(mieco lagoon), Delap Park, Delap Dock IV (MIFV); Delap Dock 1 (Public Works Lagoon), and the Bridge Oceanside. **All others exceeded the safe standard and are considered unsafe for recreational activities – swimming, bathing, fishing, or using the seawater for cleaning or preparing foods.**

The figure below show graphic illustration of unsafe areas (colored in red).



There are several causes of these high counts of bacteria in the coastal areas, especially near water shores. Heavy rainfall during the month could have caused much run-offs from shoreline may have contributed to bacterial contamination of lagoon waters. Other reasons, are continual disposal of wastes into the lagoon-humans and animal wastes.

Sincerely,

Abraham Hicking
Chief, WQM Laboratory

Cc: Julian Alik, Deputy General Manager, RMIEPA
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Jr. Lalimo, Radio Program, RMIEPA
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