



DEPARTMENT OF THE NAVY
NAVAL HOSPITAL
CAMP LEJEUNE, NORTH CAROLINA 28542-5008

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IN REPLY REFER TO
6240
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14 Jul 88



From: Commanding Officer
To: Commanding Officer, Marine Corps Air Station, New River, NC
Subj: CONTAMINATED WATER SUPPLY
Ref: (a) NAVMED P-5010, Manual of Preventive Medicine, Chapter 5
Encl: (1) Marine Corps Air Station Officer's Club Water Analysis
28 June - 13 July 88

1. During routine bacteriological analysis of the Officer's Club water supply for the period 28 June - 13 July 1988, several contaminated water samples have been identified. As required by reference (a), potable water fit for human consumption must contain less than two (2) coliform bacteria per 100 cc of water analyzed. On 28 June a sample collected from the club contained 69 coliform bacteria/100 cc of water. On 29 June the water system was flushed by Public Works and zero coliform bacteria was present in the water sample collected. A sample drawn on 30 June indicated TWTC Coliform/100 cc of water (too numerous to count). The trend illustrated above has continued throughout the past two weeks. It appears that once the water system is flushed, a negative water sample can be obtained for two (2) consecutive days only to grow significant amounts of coliform bacteria by the third day.

2. Based on the aforementioned test results, the following recommendations are forwarded for your action:

a. Contact Public Works, Utilities, Engineering Division to review water distribution system for cross connections and/or broken lines. Superchlorinate lines with a 100 ppm solution for 24 hours.

b. Secure water supply to the club for human consumption.

c. Obtain an alternate water and ice source for drinking, cooking and dishwashing.

d. Secure scullery operations, utilize paper products-plates, cups and plastic knives, forks and spoons.

3. For the protection of the club's service members and patrons, the recommendations submitted must be strictly adhered to. The water system will be monitored on a daily basis until three (3) consecutive days of negative coliform growth is indicated. At this time, water restrictions will be lifted and the water supply will be deemed suitable for human consumption.

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4. Any further questions may be directed to the Environmental Health Branch of the Occupational and Preventive Medicine Department, Naval Hospital, Camp Lejeune at extension 5707/1930.

H. P. Scott

H. P. SCOTT

Copy to:

AC/S, Facilities

Base Maintenance Officer

Utilities Branch, Base Maintenance ✓

Director, Natural Resources

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| <u>DATE</u> | <u>COLLECTION SITE</u> | <u>CHLORINE RESIDUAL</u> | <u>COLIFORM/100 ml</u> |
|-------------|------------------------|--------------------------|------------------------------|
| 28 June | Galley deep sink | n.a. | --- |
| 29 June | Galley deep sink | n.a. | Negative |
| 30 June | Galley deep sink | n.a. | Too easy to count |
| 01 July | Galley deep sink | 0.3 | Negative |
| 01 July | Mess area sink | 0.4 | Negative |
| 02 July | Galley deep sink | n.a. | Too easy to count |
| 03 July | Galley deep sink | 0.5 | Negative |
| 03 July | Mess area sink | 0.5 | Negative |
| 06 July | Galley deep sink | 0.7 | Negative |
| 07 July | Pots and pans sink | n.a. | --- |
| 07 July | Scullery deep sink | n.a. | --- |
| 08 July | Pots and pans sink | 0.7 | Negative |
| 08 July | Scullery deep sink | 0.7 | Negative |
| 12 July | Pots and pans sink | 0.3 | --- |
| 12 July | Scullery deep sink | 0.2 | --- |

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Enclosure (1)