# LEYTE STATE UNIVERSITY

**Visca, Baybay, Leyte 6521-A**
**Philippines**
Tel: +63 53 335 2600; Fax: +63 53 335 2601
e-mail: opvisca@mozcom.com; website: www.lsu-visca.edu.ph


*Office of the President*

7 October 2004

**MEMORANDUM CIRCULAR NO. 69**
Series of 2004

**T O: All Concerned**

**R E: Result of Verification Test on MEPE Water Reservoir**

Result of the tests conducted to determine the microbial quality of MEPE Water Reservoir showed that said water source is positive for fecal coliform bacteria. As such, we are reiterating our earlier reminder of boiling the drinking water for 20-30 minutes before using.

Engr. Apolonio M. Encierto, is directed to seal the leak and cover the overflow in the said reservoir. Likewise, he should conduct inspection of all water pipes and leaks observed should be sealed/repaired.

For information and guidance of all concerned.

**PACIENCIA P. MILAN**
President

cc: Engr. Apolonio Encierto
Engr. Nestor M. Israel
OVPAF
Records
File

# LEYTE STATE UNIVERSITY

**Department of Pest Management**
College of Agriculture
Visca, Baybay, Leyte 6521-A


1 October 2004

**Dr. Paciencia P. Milan**
President
Leyte State University
Visca, Baybay, Leyte

Dear ***Pres. Milan***:

This is to report the result of the validation of the findings of the Sanitary Inspector of the Rural Health Unit I, Baybay, Leyte, in compliance with OP Memo Circular No. 62.

Microbial quality assessment of water collected from Mepe and Magdago-oc Water Reservoirs was made. Presumptive test done showed that water sample from Mepe Reservoir exhibited yellowing and gas formation on all three (3) lactose broth tubes 2 days after inoculation indicating a positive presumptive test. (pls. see attached Table). This was not the case for the sample from Magdago-oc Reservoir. As such, the other tests, confirmed and completed tests, were conducted for the Mepe sample only. Confirmed test showed the presence of greenish metallic sheen colonies on Eosin Methylene Blue (EMB) Agar giving a positive confirmed test. The last test conducted in a series of tests, revealed the presence of gram negative nonsporeforming rods that produce gas and acid from lactose giving a positive completed test.

These results show that the water from the Mepe Reservoir contains coliform bacteria indicating that it is contaminated with fecal matter and as such, it is not potable unlike those from Madago-oc Reservoir. These further validate the report of the Sanitary Inspector of the Rural Health Unit I, Baybay, Leyte,

During the collection trip, it was noted that there is a leak on the Mepe Reservoir and that the two overflows are not covered. These could explain the reason for the contamination. Fecal coliforms could have come into the water reservoir through these openings. It is thus recommended that aside from the previous recommendations, the leak should be sealed and the overflow covered.

Very truly yours,

**JESUSITO L. LIM**
Professor

cc: Dr. I. Bertulfo

Table 1. Microbial analysis of water samples from Mepe and Magdago-oc Reservoirs.

| Water Source | Microbial Qualitative Test | | |
|---|---|---|---|
| | Presumptive | Confirmed | Completed |
| Mepe Reservoir | + | + | + |
| Magdago-oc Reservoir | - | d.n.c.[1] | d.n.c.[1] |

[1]d.n.c. - did not conduct

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*Office of the President*

31 August 2004

**MEMORANDUM CIRCULAR NO. 62**
Series of 2004

**T O: All Concerned**

**R E: LSU Drinking Water**

Report received by this office indicated that as per examination of the Rural Health Unit – 1, Baybay, Leyte using the PHC Bacti-Test Technique for *Eschericia coli*, the MEPE Water Source is positive for the presence of said bacterium. Said water source supplies the water of the Administration Building, College of Forestry, Main Library, Student Union, DASVM, DLABS, DAEAM, DoPAC, DFCS, Molave, Sampaguita, Mariposa, Mabolo, NARC, RCRC, and the 2nd Floor of the following buildings: PhilRootcrops, DASS, DPM, DBM and DYAC. In this connection, occupants of said buildings and dormitories are advised to boil their drinking water for 20 – 30 minutes before using until after the source is fully rehabilitated and confirmed negative. Occupants of all other buildings not mentioned may or may not follow said advise.

However, the Departments of Pest Management and Chemistry to be coordinated by Prof. Jesusito L. Lim, shall validate the findings. Meanwhile, please follow the above suggestion for your safety.

For your guidance and compliance.

**PACIENCIA P. MILAN**
President

cc: Prof. J. L. Lim
DPM
DoPAC