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Marine Corps Base
Camp Lejeune, North Carolina 28542-5001

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FAC
6 AUG 1985

MEMORANDUM FOR THE COMMANDING GENERAL
CHIEF OF STAFF

Subj: TRIHALOMETHANE LEVELS IN THE MCAS, NEW RIVER WATER SYSTEM

1. On 31 July 1985, personnel from my staff met to review the status on trihalomethane levels in the MCAS water system. The following is a summary of comments/concerns and is provided for your information.

a. Recent concern has arisen for total trihalomethane concentration (TTHM) levels in excess of the 100 parts-per-billion (ppb) EPA standard.

b. Seven (7) wells of the 24 active wells in the MCAS and Camp Geiger systems were discovered to yield the higher levels of compounds which produce TTHM and have been temporarily placed off-line.

c. High levels of TTHMs, particular bromoform, are believed to be correlated to high levels of chlorides in these systems (possibly saltwater intrusion).

d. Resampling of the treated water following closure of the 7 wells reduced the TTHM levels to acceptable levels below 100 ppb.

e. Adequate water supply capacity exists in the remaining 17 wells.

f. The potential is unknown for similar problems to occur in the remaining wells, such as migration of compounds through the ground water.

g. The relationship between the inactive "brine" lines and underground tanks was reviewed. The affected wells are all located in vicinity of these facilities near the water treatment plants.

h. Additional samples are being taken to ensure that EPA standards are being met.

i. The N. C. Division of Health Services (DHS) has been kept aware of the TTHM levels, well operations, and sampling.

j. If and when DHS requires it, a public notice will be sent to water system consumers.

k. Mr. Hubbell, CMC/LFL, offered to provide an example of public notice.

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l. Resampling by NCDHS of the systems in two weeks is being coordinated by NREAD.

m. Utilities is studying literature on treatment technologies for THMs.

R. A. TIEBOUT

Copy to:

CO, MCAS, NR

SMO

NREAD

Members of DWQM Study Group

EnvEngr

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06 AUG 1985

ROUTING SLIP

	ACTION	INFO	INITIAL
BMO		✓	<i>[Signature]</i>
ABMO		✓	<i>[Signature]</i>
ADMIN			
F&A			
MAINT NCO			
M&R			
OPNS			
PROP			
UMACS			
UTIL		✓	
SECRETARY			

COMMENTS:

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