

# Memorandum

DATE: 19 December 1980

FROM Quality Control Lab., NREA Div., Base Maintenance Dept., MCB, Camp Lejeune, NC

TO US Army Environmental Hygiene Agency, Attn: Laboratory Services, Bldg. 180, Fort McPherson, GA

SUBJ Trihalomethane Surveillance Samples

CLW

ENCL (1) Sample Log Sheet  
(2) Potable Water Samples-5

0000005800

1. These samples are from the New River Water System at MCAS(H) New River. There are five full sample vials for analysis for trihalomethane content in accordance with the Safe Drinking Water Act. We are returning the extra vial since we did not use it.
2. There was no November sample from this system due to the fact that the Quality Control Laboratory who collects the samples had not been told to do it monthly. However, from now on, as long as the Lab receives sample containers in time the sampling will be done monthly.
3. On future sample containers, if Attn: Base Maintenance Dept., Shop 92 could be added to the address label it would facilitate the lab receiving the containers.

Elizabeth A. Betz  
Supervisory Chemist

ENCLOSE (1)

N 116	Bldg AS-110 WTP @ BUMP (1)	12/19/80 1435	BY LUKE
N 117	Bldg G-520 2 <sup>ND</sup> Floor HEAD	12/19/80 1500	"
N 118	Bldg 4025 BARRACKS REC ROOM SINK 1 <sup>ST</sup> FLOOR	12/19/80 1340	"
N 119	Bldg 710 OFFICERS CLUB GALLEY SINK	12/19/80 1355	"
N 120	Bldg 2800 MEN'S ROOM SINK MARINA	12/19/80 1420	"

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Fort McPherson, GA

SUBJ Trihalomethane Surveillance Samples

ENCL (1) Sample Log Sheet  
(2) Potable Water Samples-5

1. These samples are from the Hadnot Point Water System at MCB Camp Lejeune. There are five full sample vials for analysis for trihalomethane content in accordance with the Safe Drinking Water Act. We are returning the extra vial since we didn't use it.
2. There was no November sample from this system due to the fact that the Quality Control Laboratory who collects the samples had not been told to do it monthly. However, from now on, as long as the Lab receives sample containers in time the sampling will be done monthly.
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Elizabeth A. Betz  
Supervisory Chemist

N111	HADNOT POINT WTP @ PUMP (1)	12/18/80 1443	BY LUKE
N112	BLDG NH-1 EMERG. ROOM SINK (2)	12/18/80 1456	LUKE
N113	BLDG 1202 1 <sup>ST</sup> FLOOR (3) MEN'S ROOM SINK	12/18/80 1543	LUKE
N114	BLDG 65 Q.C. LAB (4) SINK, Room 220	12/18/80 1548	LUKE
N115	BLDG FC-530 (5) 1 <sup>ST</sup> FLOOR LAUNDRY ROOM SINK	12/18/80 1515	LUKE

CLW

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SAMPLING INSTRUCTIONS  
EXTENDED TRIHALOMETHANE SURVEILLANCE OF ARMY DRINKING WATERS

1. RUN WATER THROUGH TAP FOR 10 MINUTES BEFORE TAKING SAMPLE. This allows water flowing in mains to be sampled instead of water standing in local pipes.
2. THEN, SLOW FLOW TO A TRICKLE BEFORE FILLING SAMPLE VIAL. To avoid trapping tiny air bubbles caused by water turbulence.

DO NOT RINSE OUT VIAL!

3. SLOWLY FILL VIAL TO TOP, FORMING WATER BULGE ABOVE RIM. The water bulge aids in sealing the vial. Note instruction #7.
4. SCREW ON CAP WITH WHITE SIDE OF LINER DOWN.
5. TURN VIAL OVER AND TAP CAP GENTLY AGAINST HARD SURFACE OR FIRMLY AGAINST HAND. To shake loose any air bubbles trapped under cap.
6. IF AIR BUBBLES ARE TRAPPED IN VIAL, REMOVE CAP AND AGAIN SLOWLY FORM WATER BULGE ABOVE RIM. Note instruction #7.
7. DO NOT POUR OUT CONTENTS OF BOTTLE TO REFILL, SIMPLY TOP OFF IF AIR BUBBLE IS TRAPPED INSIDE. Vials contain sodium thiosulfate to stop the chlorine reaction. Samples are not valid if vial is emptied or air bubble is trapped inside.
8. WHEN VIAL IS CORRECTLY FILLED, MATCH NUMBER ON VIAL TO NUMBER ON ATTACHED SAMPLE LOG SHEET. Fill in location where sample was collected (building number, name, etc.), date and time collected. The sample collector should sign opposite each sample number he collected.
9. FIVE SAMPLES ARE TO BE COLLECTED FROM EACH DISTRIBUTION SYSTEM ON THE SAME DAY, DURING MID-AFTERNOON. One sample is to be collected at the end point of the distribution system, three at points representing different high consumption areas and one at the distribution system entry point. For those installations purchasing potable water, the entry point sample should be collected as close as possible to the point where the purchased water enters the installation distribution system. The entry point sample, for those installations providing their own treated water, should be collected after the final treatment process (clearwell) prior to entry to the distribution system. In those cases where more than one well supplies each distribution system, the entry point sample should be taken just after chlorination at one of the wells when all wells are supplied by the same aquifer or at one of each set of wells supplied by different aquifers.
10. AN EXTRA VIAL IS INCLUDED IN CASE A VIAL IS BROKEN OR CONTENTS ARE SPILLED.
11. All vials and the inclosed sample log sheet should be returned as soon as possible after collection to this Agency using the mailing address label provided.
12. Any questions concerning sample collection or handling should be referred to Mr. Willy Neal, Chief Chemist, US Army Environmental Hygiene Agency, Regional Division - South (AUTOVON 588-3234; Commercial 404-752-3234).

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SAMPLING INSTRUCTIONS  
EXTENDED TRIHALOMETHANE SURVEILLANCE OF ARMY DRINKING WATERS

1. RUN WATER THROUGH TAP FOR 10 MINUTES BEFORE TAKING SAMPLE. This allows water flowing in mains to be sampled instead of water standing in local pipes.
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DO NOT RINSE OUT VIAL!

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4. SCREW ON CAP WITH WHITE SIDE OF LINER DOWN.
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9. FIVE SAMPLES ARE TO BE COLLECTED FROM EACH DISTRIBUTION SYSTEM ON THE SAME DAY, DURING MID-AFTERNOON. One sample is to be collected at the end point of the distribution system, three at points representing different high consumption areas and one at the distribution system entry point. For those installations purchasing potable water, the entry point sample should be collected as close as possible to the point where the purchased water enters the installation distribution system. The entry point sample, for those installations providing their own treated water, should be collected after the final treatment process (clearwell) prior to entry to the distribution system. In those cases where more than one well supplies each distribution system, the entry point sample should be taken just after chlorination at one of the wells when all wells are supplied by the same aquifer or at one of each set of wells supplied by different aquifers.
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