



UNITED STATES MARINE CORPS

Marine Corps Base

Camp Lejeune, North Carolina 28542-5001

01.01-05/24/85-00201

CONTAINS COPY OF 1984
NCAC 15.2L GROUNDWATER
QUALITY STANDARDS

IN REPLY REFER TO:

6280/9

FAC

24 MAY 1985

From: Commanding General, Marine Corps Base, Camp Lejeune
To: Commander, Atlantic Division (Code 114), Naval Facilities
Engineering Command, Norfolk, VA 23511-6287

Subj: N.A.C.I.P. PROGRAM CONFIRMATION STUDY; SECOND ROUND
SAMPLING

Ref: (a) LANTDIV ltr 5090, 1143CFB dtd 27 Mar 85
(b) CG, MCR 031897 Apr 85


Encl: (1) Review Comments, N.A.C.I.P. Confirmation-Study
(2) MCAS(H), NR Suspected N.A.C.I.P. Site Description

1. We have reviewed the LANTDIV comments at reference (a) for the interim report of first round sampling results. Additional concerns of Camp Lejeune are forwarded at enclosure (1). Reference (b) requested the subject study be expedited and the characterization phase be initiated for VOC contamination in water supply wells. Reference (a) adequately addresses these concerns except as noted in enclosure (1).

2. The proposed second round sampling recommends an investigation for potential VOC sources within a one-mile radius of each contaminated well. This monitoring strategy would mean assessing potential sources outside the Camp Lejeune property boundary which may be covered by the Memorandum of Understanding between DOD and EPA, dtd 12 Aug 1983. We suggest that coordination between HQMC, LANTDIV, and the North Carolina environmental agencies and Camp Lejeune, be completed in the characterization process to assess these sources.

3. An additional site of potential contamination has been located at MCAS(H), New River. This site needs to be evaluated for inclusion in the N.A.C.I.P. Program. A site description is provided at enclosure (2).

4. Your continued assistance in dealing with the complex problems being addressed by the N.A.C.I.P. Program is appreciated. For additional information on this matter, contact Mr. Bob Alexander, Marine Corps Base Environmental Engineer, AV 484-3034.


B. W. ELSTON
By direction

CLW

Copy to:
CMC (LFL)
CO, MCAS(H), NR (S-4)
CO, NAVHOSP (PMU)

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REVIEW COMMENTS
N.A.C.I.P. CONFIRMATION STUDY INTERIM REPORT
AND SECOND ROUND SAMPLING
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

Interim Report from First Round of Verification Sampling

1. For discussion of applicable water quality criteria for drinking water, we suggest the EPA recommended maximum contaminant levels be discussed as presented in the June 12, 1984 Federal Register.

2. North Carolina Classifications and Water Quality Standards Applicable to Groundwaters, North Carolina Admin Code Sub-Chapter 2L, effective 1 September 1984, should also be referenced; a copy is attached.

3. Page 2-39, Well 603 has not been detected to contain TCE and has not been closed. Reference (b) incorrectly listed Well 603 as having been closed; wells which have been closed to date are 601, 602, 608, 634, 637, 651, 652, 653, TT-26, and TT-New Well. We concur with your recommendation for Well 603 to be resampled in the second round to include the installation of a shallow groundwater well.

PROPOSED SECOND ROUND OF SAMPLING

1. In light of the anticipated start date of July/August for second round sampling by the A/E, your recommendations on interim monitoring of water supplies are needed as requested in reference (b). Camp Lejeune laboratory facilities are anticipated to be operational on/about 1 July for limited assistance in these analyses.

2. In order to coordinate samplings of water supply wells and to provide necessary support to the A/E, request a coordination meeting between LANTDIV, the A/E, MCAS(H), New River, and Camp Lejeune be established at least two - three weeks prior to sampling date, if possible. Coordination with North Carolina Divisions of Environmental Management and Health Services must also be accomplished at that time.

3. Page 3 of Memorandum enclosed to reference (a), sub-para "u" Well No. 603 should be changed to read 608; on page 4, note that VOC's have not been detected in Well 603.

4. Request the additional site at MCAS(H), New River be evaluated as described herein.

5. Page 4 - Add Well 650 to this list of active wells involved in this study.

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Enclosure (1)

POTENTIAL N.A.C.I.P. SITE AT MCAS(H), NEW RIVER

SITE DESCRIPTION

Location: See Attached map.

Size: Unknown, but estimated at 50 meters in length and 50 meters in width adjacent to the shoreline.

Previously Reported: No

Activity: No known disposal of hazardous substance has occurred in this area due to its location within the MCAS(H), NR officers' housing area. Prior to the development of the area for housing in 1958, the area had been used for Marine Corps field training.

Materials Involved: Calcium hypochlorite in small glass vials and another compound (one glass vial, less than four ounces) of a brown oily liquid, for which laboratory analyses has not been received at the date of this writing. In addition a small medicine bottle was located which contained a few small tablets that have not been identified.

Quantity: An estimated 100 one to two ounce glass vials of a white powdery substance identified as calcium hypochlorite were found at the shoreline of the New River after being exposed by children digging along the eroding shoreline.

When: Late 1940s to late 1950s.

Comments: The area was immediately secured by placing fill material along the shoreline area where the vitals were located to preclude safety hazards or additional exposure to children of the housing area.

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