

Post-It Fax Note	7871	Date	7/12/00	# of pages	3
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Base Engineer
 Marine Corps Base
 Camp Lejeune, N. Carolina 28542

12 July 2000

SUBJ: Request For Water System Distribution Data, 1965-1967
 Ref: (K) Wq letter to Base Engineer, same subject dtd 10 June 2000

To date the data requested in reference (K) has not been received. Since the response is presumably still under consideration, I have some additional questions in three sectors that are relevant to the VOC contamination issues at CLWC that resulted in the NPL designation of the reservation.

A. MONITORING PROGRAM

The ATSDR Public Health Assessment (CFRCLIS No. NC 61700 22500) made note of the fact that it was not until 1982 that MCB began making tests bedside for trihalomethanes - a situation that led to further scrutiny of the nature of the THMs and the discovery of TCE and PCB in substantial concentration in the system.

The technique of analysis of THMs in chlorinated systems was in place in the mid 1970's: (1) Why did it take until 1982 for the MCB water system(s) operators to utilize THM analysis as a precursor for system contamination detection?

- (2) What water quality (WQ) monitoring practices were in place, using what standard criteria in the MCB water system(s) during the period 1965-1967?
- (3) Was the WQ monitoring done by MCB personnel or was the testing accomplished by a contract laboratory? Were monitoring personnel certified by either state or federal regulations as being competent in WQ monitoring procedures?
- (4) Were there any reportable events of prohibited compounds detected in the MCB water system(s) during the 1965-1967 period using the WQ standards in effect during that period. If so, what action was taken at time in terms of remediation and public notice?
- (5) Were the WQ standards of the State of North Carolina and/or the WQ standards of the U.S. Public Health service used during the period 1965-1967? If not, what WQ standards were used?

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B. MCB Water System(s) Infrastructure and Distribution System,
1965-1967

In the area of infrastructure and distribution design the WTSDR reports and data retrieved from the Camp Lejeune Water Survey website are lacking in detail. They do not provide sufficient detail to provide a family that lived aboard Camp Lejeune during the 1965-1967 period with any specificity as to source of their drinking water and the degree of exposure to VOCs later determined to be present in the water system(s).

The WTSDR documentation and MCB data note the existence of three water treatment facilities: Hadnot Point, Holcomb Boulevard and Terrace Terrace. Montford Point also had a treatment facility, but I don't believe it had an on-line interconnection to the other facilities noted. Records indicate the existence, at one time, of over fifty wells that provided raw water to a MCB distribution system or systems where the water from both contaminated and un-contaminated wells were combined and treated at one or more of the above named treatment facilities.

Being familiar with municipal water systems I am sure that the MCB water operators maintained logs of well pumping operations by hour, day, and year.

As I noted in my 10 June letter my family lived in MGR 3219 commencing in mid 1965 and moved to MGR 2501 in May/June 1966.

Based on the pumping records for those periods I desire to know (1) the source (facility) of the delivered water: Hadnot Point, Holcomb Boulevard or Terrace Terrace to my quarters?

(2) Which wells were on line to provide the raw water to the treatment facility serving my MGR during the period May 1966 to March 1967?

(3) Were any of these wells determined by pumping records determined to have been on-line (May 1966 - March 1967) later found to be VOC contaminated and taken out of service? If so, please cite well identification data on these wells.

(4) Was the water drawn from the search wells located in the Terrace Terrace area used solely in the Terrace Terrace complex or was it connected to the water distribution points at Holcomb Boulevard and/or Hadnot Point?

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(5) If the Terrace Terrace wells, was interconnected to the main distribution system on MCB was the one contaminated well, subsequently abandoned, on line contributing to the water supply being granted the MOA area at Paradise Point during the period May 1966 - March 1967?

(6) How many "water systems" were in operation at CLWC during 1966-1967? The ATSDR Public Health Assessment, page 22, while discussing VOC sampling noted "In May 1982, the laboratory noted difficulty in measuring THM's in two of the eight water systems in operation at the time ----."

Are these separate and independent distribution systems and what effect did they have on the delivery of water to the MOA's?

C. Public Notification of Contamination Determination

The Camp Lejeune military reservation was placed on the National Priorities List as a Superfund site under the CERCLA provisions in October 1989. ATSDR published its "Public Health Assessment for CLWC" in August 1997 and a monograph "Volatile Organic Compounds in Drinking Water and Adverse Pregnancy Outcomes" in August 1998.

(1) What public notice, if any, other than the Federal Register, was made of the EPA determination and when was this notification published?

The first notice of VOC contamination at Camp Lejeune and the existence of the ATSDR sponsored Camp Lejeune Area Water Survey was noted by the undersigned affected Marine in the winter issue (1999-2000) of "Sons of Falouts" Memorandum For Retired Marines

(2) Why did it take MCB/CLWC/CMC from 1982, when VOC contamination was verified, until 1999 to make this information available to the Marine and naval personnel that may have been adversely affected by this contaminated water supply -

cc: C6, MCB, CLWC

ATSDR

Administrator, EPA Region 4

NAVFACLEGCOM

Senator J. Warner, San Armed Svc Comm.

OSAG

Submitted,

1 Jan A. 1 [Signature]

MAJOR, USMC (Ret.)

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