



UNITED STATES MARINE CORPS

Commanding General
Marine Corps Base
PSC Box 20004
CAMP LEJEUNE, NORTH CAROLINA 28542-0004

IN REPLY REFER TO

August 4, 2000

Major Thomas A. Townsend (USMC, Ret.)
[REDACTED]
[REDACTED]

Dear Major Townsend:

This letter is in response to your letters written June 10, July 6, and July 12, 2000, to the Camp Lejeune Base Engineer, Housing Office and Commanding General. In order to answer your questions, Camp Lejeune personnel conducted a thorough search of all known relevant information. Few documents from the period 1965-67 could be located. However, to the extent that pertinent records were located and responsive to your questions, they are provided below.

Before drafting this letter, Camp Lejeune consulted with other organizations within the Department of the Navy that received your requests for information. Questions that could not be answered by those organizations were forwarded to Camp Lejeune for response. Accordingly, this letter addresses many of your questions to the Office of the Judge Advocate General (Claims, Investigations and Tort Litigation) and Naval Facilities Engineering Command (Atlantic Division).

INFORMATION REQUESTED FROM CAMP LEJEUNE:

1. Confirmation of Quarters from 1965-67 (your June 10th letter).
Enclosure (1) pertains.
2. Request for information about how Camp Lejeune water distribution systems operated from 1965-67 (your June 10th letter). Camp Lejeune operated eight drinking water systems during the years 1965-67 (Tarawa Terrace WTP, Camp Johnson WTP, Hadnot Point WTP, Courthouse Bay WTP, Onslow Beach WTP, Rifle Range WTP, Camp Geiger WTP and MCAS New River WTP). Well fields were connected to only one water treatment plant and each plant had only one distribution system. However, there were auxiliary lines running between the treatment plants for emergency use. The TT WTP was connected to the CJ WTP with an emergency treated water line, and the MCAS, NR WTP was

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connected to the CG WTP with an emergency treated water line. These were the only plants with connecting lines.

3. Name and Address of Camp Lejeune Freedom of Information Act point of contact (your July 6th letter).
Gunnery Sergeant Fernando Piza, USMC
PSC Box 20004
Camp Lejeune, NC 28542
4. Information about timeframe for implementation of Trihalomethane testing at Camp Lejeune (your July 12th letter). Enclosures (2) through (5) pertain.
5. Information about water quality standards 1965-67 (your July 12th letter). Responsive records for 1965-67 timeframe could not be located. However, enclosures (6) through (8) may be pertinent.
6. Who did water quality monitoring 1965-67, base or contract personnel, and were such personnel certified under any state or federal regulations (your July 12th letter)? A Base chemist working in the Hadnot Point Water Treatment Plant conducted water quality and bacteriological analysis. No responsive information could be located on certification requirements during that time period.
7. Were there any reportable events of prohibited compounds 1965-67 or violations of water quality standards (your July 12th letter)? No responsive information could be located.
8. What was the source of water to Major Townsend's quarters 1965-67 (your July 12th letter)? The Hadnot Point Water Treatment Plant supplied water to MOQ 3219 and MOQ 2509 1965-1967.
9. Which wells provided water to the Hadnot Point Plant 1965-67, and which of these wells were later found to be contaminated by Volatile Organic Compounds (your July 12th letter)? During 1965-67, wells 601, 602, 603, 606, 608, 609, 610, 611, 612, 613, 614, 616, 617, 619, 620, 621, 625, 626, 627, 628, 629, 630, 632, 633, 634, 635, 636, 640, LCH 4007 and LCH 4009 supplied water to the Hadnot Point System. Wells 601, 602, 603, 608 and 634 were later shut down after contamination was detected in the early 1980's.
10. What areas did the wells in Tarawa Terrace supply 1965-67 (your July 12th letter)? Tarawa Terrace. Enclosure (9) pertains.

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11. How many water systems were operating aboard Camp Lejeune 1965-67? Were they interconnected (your July 12th letter)? See paragraph #2 above.
12. What public notices were published in the context of VOC contamination prior to the release of the ATSDR Public Health Assessment in 1998, and why did it take so long to release this information to the public (your July 12th letter)? VOC contamination in Hadnot Point and Tarawa Terrace was discussed in the Camp Lejeune base newspaper "The Globe" in articles written in 1985 and 1989. Enclosures (10) through (13) pertain. It is possible that other notices appeared in "The Globe" and/or other publications, though further responsive documents could not be located. As to public notification requirements, enclosure (14) may pertain.

INFORMATION REQUESTED FROM THE OFFICE OF THE JUDGE ADVOCATE
GENERAL (CLAIMS, INVESTIGATIONS, AND TORT LITIGATION)

13. What levels of testing and maximum contaminant levels for Trihalomethanes and Volatile Organic Compounds were required from 1960 onward (your June 14th letter)? Enclosures (2) through (5) and (14) through (16) may pertain.
14. What role did NACIP play in the monitoring effort, when was this organization established, what Naval department controls NACIP, and what was NACIP's mission (your June 14th letter)? Enclosures (17) through (18) pertain.

INFORMATION REQUESTED FROM THE NAVAL FACILITIES ENGINEERING
COMMAND (ATLANTIC DIVISION)

15. Request for "as built" maps of Camp Lejeune water distribution systems including Married Officers Housing in Paradise Point (your June 26th letter). Enclosures (9) and (19) pertain.
16. Request for description of water distribution system and treatment process (your June 26th letter). Paragraph 2 pertains.
17. Did NAVFACENCOM have oversight of water monitoring programs at Camp Lejeune after construction of facilities (your June 26th letter)? Enclosures (2) through (5), (7), (17), (18), (20) and (21) pertain.
18. What water quality standards were in place 1960-70 (your June 26th letter)? Enclosures (6) and (7) pertain.

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19. What are the functions of the NACIP and IRP programs (your June 26th letter)? Enclosures (17), (20), and (22) pertain. Additionally, all public records describing the NACIP and IRP programs at Camp Lejeune may be found on the internet at <http://www.bakerenv.com/camplejeune>.

Camp Lejeune trusts this information will be helpful to you. We have been informed that the Naval Facilities Engineering Command (Atlantic Division) will also be responding to your request for records under separate cover.

Sincerely,



A. J. KARLE
Colonel, U. S. Marine Corps
Chief of Staff

Enclosures:

- (1) Occupancy Housing Records for MOQ 2509 and 3219.
- (2) 18 July 1980, Memorandum from Commander, Atlantic Division, Naval Facilities Engineering Command to Distribution.
- (3) 5 February 1982, Memorandum from Commander, Atlantic Division, Naval Facilities Engineering Command to Naval Facilities Engineering Command.
- (4) 12 February 1982, Memorandum from Commander, Atlantic Division, Naval Facilities Engineering Command to Commanding General, MCB, Camp Lejeune.
- (5) 25 February 1982, Memorandum from Commander, Atlantic Division, Naval Facilities Engineering Command to Chief, Bureau of Medicine and Surgery.
- (6) 1970, North Carolina Surface Water Quality Standards.
- (7) 13 December 1972, BUMEDINST 6240.3C.
- (8) June 1976, Navy Environmental Support Office, "Applicability of National Interim Primary Drinking Water Standards to Navy Shore Facilities."
- ✓ (9) 1999 Maps of Tarawa Terrace, Hadnot Point and Holcomb Boulevard Water Distribution Systems.
- (10) 9 May 1985, *The Globe*, "Water Discipline Now Can Prevent TT Shortage."
- (11) 31 August 1989, *The Globe*, "Base Taps Into Drinking Water Concerns."
- (12) 7 September 1989, *The Globe*, "Efforts Underway to Ensure Safe Drinking Water."
- (13) 14 September 1989, *The Globe*, "Measures Taken to Prevent Future Water Contamination."

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(14) July 8, 1987, 52 Fed Reg. 25690, U.S. Environmental Protection Agency: National Drinking Water Regulations; Synthetic Organic Chemicals; Monitoring for Unregulated Contaminants.

(15) 26 November 1979, U.S. Environmental Protection Agency, Suggested No Adverse Response Level for Trichloroethylene.

(16) 10 February 1980, U.S. Environmental Protection Agency, Suggested No Adverse Response Level for Tetrachloroethylene.

(17) February 1992, Navy/Marine Corps Installation Restoration Manual, Chapters 1-2.

(18) 14 January 1982, Memorandum from Officer in Charge, Naval Energy and Environmental Support Activity, Atlantic Division to Distribution.

(19) 1965-1967, "As Built" Maps of Hadnot Point Distribution System.

(20) April 1983, Initial Assessment Study of Marine Corps Base Camp Lejeune, North Carolina.

(21) 23 February 1978, Letter from Atlantic Division, Naval Facilities Engineering Command to Mr. Charles E. Rundgren, Division of Health Services, State of North Carolina.

(22) 18 July 1994, Camp Lejeune Base Order 6280.1A, Installation Restoration Program/Hazardous Waste Site Cleanup Implementation.

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