

MEMORANDUM

17 March 1994

From: Supervisory Ecologist

To: Director, Environmental Compliance Division

Subj: COMMENTS ON ATSDR'S SITE SUMMARY DRAFT FOR CAMP LEJEUNE

Encl: (1) Comments on ATSDR's Site Summary Draft For Camp  
Lejeune Prepared By Elizabeth Betz Dated 17 March 1994

1. The enclosure is provided as requested by tickler item CI 64-94 and your E-mail this date. The following comments are provided based on my review of the enclosure and discussion with Ms. Betz.

2. The ATSDR paper fails to properly reflect the following regarding Well 651:

a. Well 651 was being tested as part of a effort by base to examine all water wells at Camp Lejeune vice sampling as a result of the fuel leak at Building 670 water reservoir.

b. That at the time the contamination was found, this command interpreted the results and other information to indicate Well 651 to be the source of the periodic incidence of high Trichloroethylene readings in the Hadnot Point Water system. First indications of this problem were Grainger Laboratory results in 1982 generated during Total Trihalomethane monitoring.

3. Installation Restoration should contact Ms. Elizabeth Betz, telephone extension 2471 if any questions arise concerning this matter.

Thanks,



Danny Sharpe

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COMMENTS ON ATSDR'S SITE SUMMARY DRAFT FOR CAMP LEJEUNE

PREPARED BY: ELIZABETH A. BETZ

DATE: 17 MARCH 1994

1. General Comment: The reason data was available in January and February 1985 on wells throughout the base is that the base initiated sampling all remaining water supply wells, independent of the NACIP/IR program, in January 1985. This was to assure any additional contamination would be found. Prior to January 1985 only wells located Blvd reservoir. No regular monitoring of VOCs in close to known potential contamination sites were sampled. The sampling of all remaining wells occurred over a period of weeks and analysis was not expedited. Wells sampled during this period had been running a number of hours before samples were collected.

2. On page 2, third paragraph refers to ABC One Cleaners, the name of the cleaners is ABC One Hour Cleaners.

3. On the bottom of page 2 through to page 3, the sentences "In November 1986, a supply well in the Holcomb Boulevard system became contaminated when the fuel line to the well pump broke. This well was immediately shut-off and the distribution system was not contaminated." refers to Well 645 and does not necessarily agree with my recollection of events. Comments provided below:

- Well 645 had been sampled on February 4, 1985 and found nothing detected and, except for the related data to the January-February 1985 fuel leak into the Holcomb Blvd reservoir., I do not recall any detectable levels of VOCs found in the Holcomb Blvd distribution system.

- As I remember it, the sampling in November 1986 was done on a number of wells, maybe all the wells. Base EMD (then Natural Resources and Environmental Affairs Division under Facilities), after contamination had been found in supply wells not relative to identified NACIP/IR sites, tried to get annual sampling of all supply wells funded. The NACIP program funded it one year and that may be the November 1986 sampling. The leak was found as a result of contamination being discovered in the well. I remember comments being made at the time that fuel had been missing from the above-ground tank at the well so it may be possible that the leaking line was found at the same time well sampling results showed contamination.

- Well 645 was taken out of service because of the fuel contamination in November 1986 before Safe Drinking Water Act VOC monitoring was required and implemented of the water system in December 1987.

4. On page 3, the sentence "Weekly sampling of water systems in 1985, and quarterly sampling of all water systems since 1986 have not detected any contamination in base water at Camp Lejeune." is not completely accurate. "The weekly sampling done in 1985" was only done in the Hadnot Point and Tarawa Terrace systems, not all of Camp Lejeune's water systems which were 8 at that time and a year later were

only 6. "The quarterly sampling of all the water systems since 1986" refers to the Safe Drinking Water Act VOC monitoring. Only the three large systems, (Hadnot Point, MCAS New River and Holcomb Blvd) started sampling in the fourth quarter of 1987. The three small systems (Courthouse Bay, Rifle Range and Onslow Beach) started sampling in the fourth quarter of 1988 when the three large systems were also repeated to put all the systems at Camp Lejeune on the same schedule. As for not detecting any contamination, the Hadnot Point system was required to continue quarterly VOC sampling because trace amounts of Trichloroethylene had been found in some of the VOC samples.

5. On Table 1, the following comments are provided:

- The 1/29/85 sample for Holcomb Blvd water treatment plant shows the results of the sample before the reservoir. The sample after the reservoir was 8.2 ppb TCE.

- The 1/31/85 sample from Paradise Point Officer's Club value for TCE in my personal notes is shown as 890.9 ppb instead of 890.1 ppb.

- The 1/31/85 sample results listed for Holcomb Blvd water treatment plant represents three samples with values ranging from 7.4 ppb DCE to 7.8 ppb DCE and from 24.1 ppb TCE to 26.8 ppb TCE.

- The 2/5/85 sample listed for Holcomb Blvd water treatment plant shows no data. I have no record of a sample being collected that day at Holcomb Blvd.

- The 2/21/85 samples for the Hadnot Point and Holcomb Blvd water treatment plants show "ND" for PCE and Other. My records show THMs, DCE, and TCE being analyzed and only THMs being detected.

- The 2/21/85 samples for the Berkeley Manor School and MOQ 2204 show nothing. They should be "ND" for DCE and TCE.

- The 4/22/85 sample for Hadnot Point water treatment plant shows "ND" and my records show that sample as being broken in transit before analysis.

6. On Table 2 the following comments are provided:

- Well 613 is shown as not being sampled. My records show it was sampled on 16 January 1985 and nothing was detected.

- Wells 607/612, 662, or 659 are not on my list of wells for the 1985. These wells may have had different numbers or have been under construction when the first sampling was done in January 1985.

- Well 615/5186 is shown as not being sampled. The well known as 615 in January 1985 was reported to me by Water Treatment to be caved in and not operational so it was not sampled. If a well later was operational with either 615 or 5186 as its identification it must have been a new well and was not operational in January 1985.

7. On Table 3, the following comments are provided:

- For 2/12/85 nothing is shown, nothing was detected according to my records so "ND" should be shown in the table.

- The 3/12/85 sample listed were the values for the sample collected before the reservoir. that day, except that my notes show the PCE value to be 20 ppb, not 21 ppb. The sample after the reservoir. was 1.6 ppb Benzene, 1,2-DCE not detected, 8.9 ppb PCE, and TCE not detected.

8. As for Table 4, I have no comments or information about wells 30 or 53.

*Elizabeth O. Betz*

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