

Date: 8 September 1982

Memorandum

From: Ms. Betz, Quality Control Lab., Environmental Section, NREAB, BMaintDiv

To: Mr. Sharpe, Supervisory Ecologist, Environmental Section, NREAB, BMaintDiv

Subj: LANTNAVFACENGCOM ltr 19 Aug 1982

1. The analysis results enclosed in the letter was initiated by LANTNAVFACENGCOM. The samples are of the test wells around the Chemical Landfill at TLZ Owl and of the Rifle Range Water Treatment System. Sampling was initiated on 18 March 1982, when Jerry Wallmeyer of Lant Div arrived. The initial results of the 18 March 1982 sampling raised some questions by LantDiv on the validity of their contract laboratory, Jennings Laboratory. On 5 April 1982, a resampling of the Rifle Range Water Treatment Plant and raw water wells was done. When LantDiv received the samples, they split them. Half went to Jennings lab. The other half was sent to NAVENENVSA for a quality control check on Jennings, however the samples leaked during transport. On 19 April 1982, a third sampling of the Rifle Range Water Treatment Plant and raw water wells was done. This time two separate containers were filled at each point. All were sent to LantDiv, who sent one of each to Jennings and one to NAVENENVSA for check.

2. The THM and PCB results of the 18 March 1982 sampling were the ones that raised the question of validity of Jennings Laboratory. The 18 March 1982 THM samples were also sent to the Army laboratory for analysis. And the two THM sample results were not at all in agreement. The question of validity of the Army lab had all ready been raised and in April 1982, THM analysis was run by a certified laboratory, Grainger Labs, which yielded results more in line with the Army's March results than with Jennings's March results. Jennings's March THM average, for common samples, was <0.1ppb. The Army's March THM average, for common samples was 45.7ppb and Grainger's April average, for common samples was 48ppb.

3. Jennings lab also showed 1.0ppm of PCB in the 18 March 1982 delivered water sample from the Rifle Range Water Treatment Plant. No PCB showed up in the 5 April 1982 samples. However, Jennings showed 0.11ppm of PCB in the 19 April 1982 RR 45 well water sample, when NAVENENVSA's analysis of the same sample yielded no PCB.

4. In the 19 August 1982 letter, LantDiv states that no significant contamination of the potable water at the Rifle Range was detected. It also states that any Jennings results that contradict other laboratory's results is erroneous. It continued to recommend preferential utilization of wells 45 and 47 over 97. It recommended continued yearly analysis of the Rifle Range. I recommend the next analysis be run by a local state certified laboratory.

**CLW**

*Elizabeth A. Betz*  
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Supervisory Chemist

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6. Enclosure (4) is the results of sampling and analysis at the Rifle Range Dump Area test wells. For ease of data review, results of the 18 March 1982 analyses are tabulated in enclosure (5).

7. LANTNAVFACENGCOM recommends continued annual analysis of Rifle Range water system by MCB CAMP LEJEUNE. The Navy Assessment and Control of Installation Pollutants (NACIP) Program is in progress and will continue the Rifle Range Dump Area investigation.

8. LANTNAVFACENGCOM point of contact is Mr. Jerry Wallmeyer at (804) 444-9566 or A/V 690-9566.

*J. R. Bailey*  
J. R. BAILEY, P.E.  
By direction

Copy to:  
CMC (Code LFF-2)  
MCB CAMP LEJEUNE (Natural Resources and  
Environmental Affairs)  
NAVENENVSA  
COMNAVFACENGCOM

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Rifle Range Area Results

Recommend:

1. Review results informally with regional rep of NC Public Health.
2. Continue preferential use of well # 97 at Rifle Range.
3. Recommend discontinue using Jenning Laboratory

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