

UNITED STATES MARINE CORPS
Marine Corps Base
Camp Lejeune, North Carolina 28542

FAC/REA/hf
6280
30 Dec 1982

CP
From: Assistant Chief of Staff, Facilities
To: → Director, Natural Resources and Environmental Affairs
Public Works Officer

Subj: Groundwater Monitoring at Camp Lejeune Sanitary Landfill -- Permit #67-03

Encl: (1) N.C. Div of Health Svcs ltr dtd 13 Dec 1982

1. The Natural Resources and Environmental Affairs Division is directed to take the enclosure for action regarding sample collection, analyses, and forwarding results to the State. Notify the point-of-contact (POC) of any assistance you require to support laboratory analyses. Coordinate with the Public Works Division on the schedule for construction and testing of these wells to insure sampling procedures are satisfied.
2. The Public Works Officer is directed to notify the POC of the proposed schedule for completion of the monitoring wells.
3. POC for this matter is Bob Alexander, office of the Assistant Chief of Staff, Facilities, ext. 3034.


J. T. MARSHALL

CLW

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Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

13 DEC 1982

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

FAC ROUTING	
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Commanding General
United States Marine Corps
Marine Corps Base
Camp Lejeune, NC 28542
Attn: Asst. Chief of Staff-Facilities

Re: Groundwater monitoring at Camp Lejeune Landfill - Permit #67-03

Dear Sir:

As noted on the approved operational plan of July 20, 1982, four groundwater monitoring wells were to be installed around the site. Condition number 9 of the permit stated that Camp Lejeune would be responsible for sampling and analyses of the wells. I will outline the parameters to be analyzed and sampling procedures below:

The following parameters are to be sampled and analyzed at least annually:

Arsenic	Lead	Nitrate	Color
Barium	Mercury	Fluoride	Iron
Cadmium	Selenium	Chloride	Manganese
Chromium	Silver	Copper	Sulfate
pH		Total Organic Carbon	
Total Dissolved Solids		Total Organic Halogen	
Zinc		Water Elevation	
Conductivity			

Prior to collecting the samples, water elevations should be measured and recorded. The well should then be purged at least 2-3 volumes of the well casing. This is to assure fresh groundwater is being collected. Samples may then be drawn using a PVC bailer and collected in clean plastic containers. Water collected for the total organic halogen analysis should be collected in glass containers which have been properly cleaned.

Between wells the bailer should be thoroughly rinsed in tap water. An even better method of preventing cross-contamination is to use a separate bailer for each well which can then be cleaned back in the lab. This option is at your discretion.

Samples should be iced and transported to the lab for analysis. A chain of custody is not required, unless you feel it is needed for your records.

Samples should be collected and analyzed during the month of April each year and a copy of the results submitted to me as they become available.

Commanding General
November 12, 1982
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If you have any questions concerning this matter, please contact me at
(919) 733-2178.

Sincerely,



Gary D. Babb, Geologist
Solid & Hazardous Waste Management Branch
Environmental Health Section

GDB:ns

cc: Danny Sharpe
Raymond L. Church

CLW
000003995