01.01-02/29/84-00141

(804) 444-9566

114:JGW:g冰k 6280

2 9 FEB 1984

Environmental Science and Engineering, Inc. Post Office Box ESE Gainesville, Florida 32602

Re: Contract N62470-83-B-6106, Confirmation Study, Harine Corps Base, Camp Lejeune, North Carolina

Gentlemen:

The enclosed letter from the Commanding General Marine Corps Base, Camp Lejeune (MCB CAMP LEJEUME) documents the State's variance approval for construction of monitoring wells for the subject contract. Additionally, it notes certain conditions of the variance approval.

You are directed to comply with the enclosure. Because you are subcontracting the drilling work with a North Carolina firm familiar with the State's requirements, it is not anticipated that this will impact on subject contract. Relative to notifying the State prior to initiation of construction, ESE will notify MCB CAMP LEJEUNE (Mr. Alexander) who will, in turn, initiate contact with the State.

If there are any questions, please contact our engineer in charge, Hr. J. G. Wallmeyer at (804) 444-9566.

Sincerely yours,

J. R. BAILEY, P.E.

Head, Environmental Quality Branch
Utilities, Energy and Environmental
Division
By direction of the Commander

Enclosure

Copy to: Commanding General Marine Corps Base Camp Lejeune, NC 28533 ATTN: ACS-F

Commandant of the Marine Corps Headquarters, U.S. Harine Corps Washington, DC 20380 ATTW: Code LFF-2

Blind Copy to: 09A21B6/114/114S/09BS(w/o encl). Doc #0281A.

Wallmeyer Kemp 2/29/84

NRS

UNITED STATES MARINE CORPS

Marine Corps Base Camp Lejeune, North Carolina 28542

FAC/REA/el 6280/2

1 U FEB 1384

From: Commanding General

To: Commander, Atlantic Division, Naval Facilities Engineering

Command, Norfolk, Virginia 23511 (Attn: Code 114)

Subj: N.A.C.I.P. Confirmation Study; construction of monitoring

wells for

Ref: (a) CG, MCB ltr FAC/REA/6280 dtd 3 Jan 1984

Encl: (1) Dir., N.C. Division of Environmental Management ltr

(undated) w/enclosed Well Record Forms

1. Per the request at the reference, the enclosure is forwarded indicating state approval for construction of the monitoring wells. In accordance with the enclosure, this command requests that LANTDIV include provisions in the confirmation study contract specifically for the following:

- a. Compliance with paragraphs 1 4 of the enclosure for well construction.
- b. Submission of well completion records per paragraph 5 to Marine Corps Base.
- c. Notification of both Marine Corps Base and the Wilmington Regional Office prior to construction.
- d. Abandonment of wells per state regulations (15 NCAC 2C) and submission of the report to Marine Corps Base.

2. Point of contact for this matter is Mr, Alexander, (AV) 484-3034.

M. G. LILLEY By direction

Copy to: (w/encl) CMC (LFF-2)



North Carolina Department of Natural Resources & Community Development

James B. Hunt, Jr., Governor

Joseph W. Grimsley, Secretary

DIVISION OF ENVIRONMENTAL MANAGEMENT

> Robert F. Helms Director

Telephone 919 733-7015

Colonel M. G. Lilley U. S. Marine Corps Assistant Chief of Staff, Facilities Marine Corps Base Camp Lejeune, North Carolina 28542

Subject: Issuance of Variance to

Well Construction Standards

· Camp Lejeune Onslow County

Dear Colonel Lilley:

The United States Marine Corps is hereby granted permission to construct fifty-five (55) wells in variance to 15 NCAC 2C .0108(b)(2). The wells will be used to monitor groundwater quality at several sites located on the Camp Lejeune Marine Corps Base.

The variance is granted under the following conditions:

- The wells must be located and constructed as shown in the diagrams submitted as part of the variance request.
- The casing shall be installed in such a way as to insure the proper distribution of grout, bentonite, and gravel.
- 3. All identification and well head completion shall comply with the well construction standards.
- Each well shall have a locking cap and a highly visible sign stating that the well is for monitoring purposes only, and not for a potable water supply.
- A completed GW-1 ("Well Record" forms enclosed as requested) and a copy of the variance approval shall be submitted for each well constructed. A diagram may be submitted for much of the information on the GW-1 if attached to a GW-1.
- When a monitor well is no longer useful for its intended purpose or its use is discontinued, it should be properly abandoned and an abandonment report filed.
- The Wilmington Regional Office shall be notified prior to the construction of the wells.

Colonel M. G. Lilley Page 2

The variance granted in this letter under the stated conditions does not exempt any other provisions in 15 NCAC 2C.

If you have questions or need further assistance, please contact Rick Shiver at telephone number (919) 256-4161.

Sincerely,

Luther Monterry For Robert F. Helms

Director

RFH/MM/sf

cc: Perry Nelson Central Files

Wilmington Regional Office

NORTH CAROLINA DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT WELL RECORD DIVISION OF ENVIRONMENTAL MANAGEMEN

1. O. Box 27687 - RALEIGH, N.C. 27611 919-733-2-20

DRILLING CONTRACTOR REG. NO.	WELL CONSTRUCTION PERMIT NO.
1. WELL LOCATION: (Show sketch of the location below)	
Nearest Town:	County:
	Quadrangle No.
(Road, Community or Subdivision and Lot No.)	\mathbf{Q}_{i}
2. OWNER:	DRILLING LOG
3. ADDRESS:	DEPTH FROM TO FORMATION DESCRIPTION
4. TOPOGRAPHY: draw, valley, slope, hilltop, flat (circle one)	
5. USE OF WELL:DATE:	
6. DOES THIS WELL REPLACE AN EXISTING WELL?	
7. TOTAL DEPTH: RIG TYPE OR METHOD:	
8. FORMATION SAMPLES COLLECTED: YES NO	_
9. CASING: Depth Inside Wall thick. type Dia. or weight/ft.	
From to ft	
10. GROUT: Depth Material Method	
From to ft	
	•
ll. SCREEN: Depth Dia. Type & Opening	If additional space is needed, use back of form
From to ft(Show	LOCATION SKETCH distance to numbered roads, or other map reference points
	·
12. GRAVEL: Depth Size Material	
From to ft	
13. WATER ZONES(depth):	•
14. STATIC WATER LEVEL: ft. above top of casing	
Casing isft. above land surface ELEV:	
15. YIELD(gpm):METHOD OF TESTING:	
16. PUMPING WATER LEVEL:ft.	
after hours at gpm.	
17. CHLORINATION: Type Amount	
18. WATER QUALITY:	
19. PERMANENT PUMP: Date Installed	
Type Capacity (gpm) HP	
MakeIntake Depth	
	•
Airline Depth 20. HAS THE OWNER BEEN PROVIDED A COPY OF THIS RECORD AND	INFORMED OF THE DEPARTMENTS REQUIREMENTS AND
RECOMMENDATIONS?	
21. REMARKS I do hereby certify that this well was constructed in	accordance with N C. Well Construction