



DEPARTMENT OF THE AIR FORCE

HEADQUARTERS 27TH SUPPORT GROUP (TAC)

CANNON AIR FORCE BASE, NM 88103



26 DEC 1991

Mr. Benito Garcia
New Mexico Environment Department
Hazardous and Radioactive Material Bureau Chief
P. O. Box 26110
Santa Fe, New Mexico 87502

RE: NM7572124454, Modification to Drilling and Installation Plan for Well L

Dear Mr. Garcia

As was discussed in the 15 Nov 91 meeting with NMED in Santa Fe, NM and numerous follow up telephone conversations between the U. S. Geological Survey, NMED and Mr. Jim Richards, Cannon AFB is proposing to modify the Drilling and Installation Plan for Well L. The modification will allow us to drill a pilot hole in the vicinity of Well L prior to installing the well. This method will allow us to drill Well L wet.

We propose that the following paragraph replace Section 6.0 of the drilling and installation plan:

Well L will be drilled in two phases in order to address the potential for perched water zones above the water table and to address the presence of any contamination. A 5.25 inch pilot hole will be drilled with air to the water table to determine if any perched water table conditions exist at the site and to determine the competency of the materials encountered. Samples will be used for descriptive purposes as well as to visually assess moisture and contamination conditions. Descriptive and sampling procedures will be in accordance with ASTM standards. Any unusual odors or discolorations will be described as well as any abnormal readings measured on a Photoionization Detector (PID). The pilot hole will be cemented back up to the surface. The second phase will consist of drilling a monitoring well with potable water and continuous coring to at least 20 feet below the water table. The well will be installed within 10 feet of the pilot hole. Should conditions warrant, drilling will be converted to mud rotary using a pure bentonite mud. Prior to installation of well casing, a suite or geophysical logs will be run in the hole. Logs will include soil moisture, electric, natural gamma, neutron and caliper.

Paragraph 8.1 should be deleted since we will not be using the driven casing method.



We also want to verify the location of Wells L and M. We intend to install the wells as outlined in our Monthly Progress Report for July, dated 1 Aug 91. Wells L and M will be located on a north-south axis 200 feet and 100 feet north of Well I, respectively.

Due to the tight timetable involved with installing these wells please contact Mr. Jim Richards at 784-4639 if any of the above information is unacceptable. Your cooperation is greatly appreciated.

Sincerely


DAVID E. BENSON, Colonel, USAF
Commander

cc: NMED, Dr. Bruce Swanton
HQ TAC/CEV
AFRCE/CR, Ronald Jahns