



DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 27th FIGHTER WING (ACC)
CANNON AIR FORCE BASE NEW MEXICO

Carl Well



23 FEB 1998

Colonel James A. Thomas III
Commander, 27th Support Group
110 E Sextant Avenue Suite 1098
Cannon AFB NM 88103-5323

Mr. Benito J. Garcia, Chief
Hazardous and Radioactive Materials Bureau
New Mexico Environment Department
2044 Galisteo Street
PO Box 26110
Santa Fe NM 87502

Dear Mr. Garcia

In following a 25 Aug 93 compliance agreement between New Mexico Environment Department (NMED) and Cannon AFB, the base has been providing semiannual groundwater sampling in conjunction with long term monitoring of Landfill 5, Solid Waste Management Unit 113. The groundwater detection wells employed in the effort of the last five years are approaching their useful life span due to the declining groundwater surface elevation of the region. Attachment 1 illustrates the hydrographic data for the wells in the area.

Wells I, L, and M, as illustrated on attachment 2, are the wells currently used in the sampling effort. Wells L and M are at levels that make effective sampling impossible leading Cannon AFB to seek appropriate substitutes until new detection wells are installed. Cannon AFB proposes substituting samples from Wells C and J for the dysfunctional L and M. The substitute wells are screened slightly below the surface of the water table and will not be capable of providing data for potential constituents which travel on the surface; however, Well I will continue to provide accurate surface data with Wells C and J providing data for potential subsurface contaminants.

Cannon AFB plans to have two new wells installed in FY99 to compensate for the loss of Wells L and M. The two new wells will be screened across current groundwater surface elevation with a useful screen length of 30 feet. This action should enable Cannon AFB to maximize the functional life span of the new emplacements.

If you have any questions concerning this or any other environmental matters at Cannon AFB, please contact Mr. Sanford Hutsell or Mr. John S. Pike, of my Environmental Flight at (505) 784-6378.

Sincerely


JAMES A. THOMAS III, Colonel, USAF

Attachments:

1. Groundwater Well Map
2. Hydrograph of Wells

cc:

NMED (C. Will)

NMED GW Bureau (J. Jacobs)

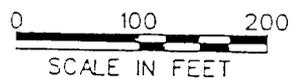
EPA Region VI (D. Neleigh)

HQ ACC ~~CES/ESVW (M. Patterson)~~

CEVC (R. SHANNON)

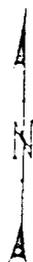
FIGURE 1.3
 SITE MAP, CELL 3, LANDFILL 5
 CANNON AFB, NEW MEXICO

A ● Monitoring well A is approximately 800 feet north and 1000 feet west of north west corner of Landfill 5.



LEGEND

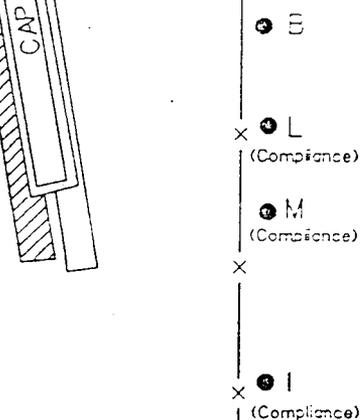
● MONITORING WELL



LANDFILL 5 BOUNDARY

CELL 3

- E
- L (Compliance)
- M (Compliance)
- I (Compliance)



● Non-Functioning

CANNON AIR FORCE BASE, LANDFILL 5

