



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

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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

Attached is a two page proposal from the Corps of Engineers for changes we propose to make in the groundwater monitoring program at Landfills 3, 4, and 25 on the east side of Cannon Air Force Base (AFB). Wells at these landfills have been sampled for several years now.

Due to the high cost of analysis, we propose to delete some parameters which haven't previously been detected and reduce the frequency of monitoring. The constituents proposed for deletion are not very mobile in the subsurface and groundwater is over 270 feet deep.

Please inform us if you concur with this proposal so that we may proceed accordingly.

If you have any questions, please contact Mr. Sanford Hutsell of my environmental staff, at (505) 784-6378.

Sincerely

James A. Thomas III
JAMES A THOMAS III, Colonel, USAF

Attachment:
Proposal from Corps of Engineers

cc:
NMED (C. Will)
NMED GW Bureau (J. Jacobs)
EPA Region VI (D. Neleigh)
HQ ACC CES/ESVW (M. Patterson)

**Proposal for Changes in Long-Term Monitoring
U. S. Army Corps of Engineers**

We are currently preparing a Scope of Services for the Long-Term Monitoring at Landfills No. 3, 4, and 25 (SWMUs No. 105, 104, and 97) for award to a contractor by the end of December 1997. These monitoring wells are designated MW-O (Landfill No. 3), MW-N (Landfill No. 4), MW-R (Landfill No. 25).

Groundwater monitoring has been conducted at these sites for one or more years. For 1998, we are proposing the following changes to the sampling intervals for these sites:

- The monitoring well at Landfill No. 25 (MW-R) was sampled quarterly in 1997. We propose semi-annual sampling for 1998.
- The monitoring wells at Landfill No. 3 and 4 (MW-O and MW-N) were sampled semi-annually in 1997. We propose annual sampling for 1998.

Due to the high cost of the Appendix IX list, the lack of detections for many compounds in that list, the low mobility of many of the compounds, and the fact that the depth to groundwater is over 270 feet at these sites, we propose to analyze for the Appendix IX list once every three years and to revise the analyte list as follows (to be analyzed every year except on the third year when the Appendix IX analysis will be done):

- Volatile Organic Compounds -- all sampling events
- Semi-Volatile Organic Compounds -- once a year
- RCRA Metals plus Nickel -- all sampling events
- Pesticides/PCBs -- all sampling events
- Herbicides -- all sampling events

We propose to add Water Quality and Contaminant Indicators to include the following parameters:

- Sulfates
- Nitrates/Nitrites
- pH
- Conductivity
- Chloride
- Phenols
- Sodium
- Iron
- Magnesium

We propose to eliminate the following parameters:

- Dioxins
- Cyanide & Sulfide
- Total Organic Carbon
- Total Organic Halide

Please review these proposed sampling intervals and analytical parameters and inform our office of your concurrence with them.