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State of New Mexico
ENVIRONMENT DEPARTMENT
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GARY E. JOHNSON
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FAX: 9/25/97

To: Steve Pullen

August 28, 1997

Bob Carton
Environmental Coordinator
US Army Medical Research and Materiel Command
504 Scott Street
Fort Detrick, Maryland 21702

KAFB — NPW II

Dear Dr. Carton:

The Solid Waste Bureau has reviewed the Closure and Post Closure Care Plan for the Kirtland LF-15 Landfill facility received on June 16, 1997, and has determined that the following items need to be finalized as part of the closure requirements:

1) Include hydraulic conductivity tests of the borrow pit area or the existing cover to show that it exhibits a hydraulic conductivity equal to or less permeable than the EPA prescriptive cover design (18 inches of 1 x 10-5 cm/sec. material overlain with six inches of topsoil). Any alternate cover designs must include HELP computer model runs to show equal or better performance than the above prescriptive cover design. If possible, include the proctor density graphs of the lab data. Show the locations of all soil sample areas on a fill area map.

2) Show the locations of all three animal burial pit areas mentioned in the letter from Claudia Bartz, in reference to the Blast Over Pressure Site. The Figure 1 Site Location Map shows two areas in the N 1/2 of Section 35. Is the west area the lagoon or the fill areas designated LF-15 or LF-18? Include the Blast Over Pressure Site Location Map that shows the lagoon (Lake Christian) relative to the landfill site areas (previous fax from Beaver Schaberg Associates, Inc).

3) A surveyed plat map of the entire landfill property must be filed with the Bernalillo County Recorder's Office. Show the location of all landfill areas discussed in the Closure Plan on the plat map.

4) Test for potential methane accumulation with a portable explosimeter both around the perimeter and within the fill areas. Plot the results on a map with the values expressed as a percentage of the lower explosive limit or %LEL.

5) Describe the general hydrology and geology or stratigraphy that is characteristic of this area, and plot the locations of any fault zones. Include the two auger hole locations adjacent to Landfill B, and the Facility Investigation (RFI) lithologic information and some of the pertinent chemical data from this study.

6) Include a well location map showing any existing water wells in the area (Lake Christian), with depths to groundwater zones. If possible, contour the static water level to reveal the local groundwater flow direction.

7) Include a proposed final contour map and if necessary, any constructed berms to control run-on and run-off. Figure 3 appears to be an existing contour map. State the density, method of spreading the seed, and the local grass mixture recommended by the Natural Resource Conservation Service, to be utilized in the reseeding process.

8) If not too much of a problem, obtain better copies of the photographs included in the Closure Plan.

If you need further assistance with respect to closure of this facility, please feel free to contact me at 827-0347.

Sincerely,

George Beaumont

George G. Beaumont
Water Resource Specialist II

cc. Claudia Bartz
Deputy Chief of Staff for Regulatory Compliance