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U.S. Department of Energy
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Date: May 6, 1999
 Refer to: EM/ER:99-119



Kieling

Mr. Benito Garcia
 NMED-HRMB
 P.O. Box 26110
 Santa Fe, NM 87502

SUBJECT: PART OF SWMU 0-030(g) OLD CATHOLIC CHURCH (TRACT GB, OF THE SUBDIVISION OF TRACT O, EASTERN AREA NO. 3) – EVALUATION OF 1993 AND 1998 SAMPLING RESULTS

Dear Mr. Garcia:

Pursuant to the request of your staff, this letter summarizes Los Alamos National Laboratory's evaluation of sample results from the initial mesa-top sampling conducted in 1993 and reconfirmation sampling of the septic system and drainline area conducted in September 1998, and presented in the Revised Status Report for Solid Waste Management Unit (SWMU) 0-030(g) (December 23, 1998). Assessment of the 1993 and 1998 data from under the septic system drainline shows that any release indicated by the elevated 1993 contaminant levels detected during the Resource Conservation and Recovery Act (RCRA) Facility Investigation (September 1995) occurred at depths ranging from 2 to 9.5 feet below ground surface and are localized. The 1993 and 1998 sample locations were located in accordance with LANL-ER-SOP-3.01, R1 Land Survey Procedures which specifies horizontal accuracy of 0.1 foot for soil sampling points. Based on site characterization (contaminant concentrations, depth and lateral distribution as defined by number and proximity of sampled locations), the possibility of contaminant migration and potential health hazards from this release are minimal.

A human health screening assessment was conducted on the 1993 and 1998 sample data from the mesa-top (septic tank and drainline) portion of SWMU 0-030(g). The results of this assessment were presented in the Revised Status Report. The assessment indicated that there were no constituents present at concentrations that posed an unacceptable risk, as defined by the Environmental Protection Agency, to human health. The Laboratory recognizes that the Hazardous and Radioactive Materials Bureau (HRMB) has technical issues with the Laboratory's approach to the risk screening assessment. However, due to the localized nature of the contaminants, depth, and minimal potential for migration, the Laboratory believes that following the preferred HRMB approach will yield the same results regarding risk.

The information discussed above evaluated the mesa-top area of this PRS. An evaluation of the entire SWMU will be conducted once fieldwork is completed in the



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 HAWA Land

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outfall area. This evaluation will include all assessments appropriate under the RCRA Corrective Action process, including a comprehensive risk assessment performed in accordance with RCRA and following current HRMB guidelines.

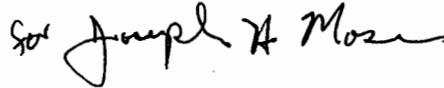
If you have any questions or concerns please feel free to call Dave McInroy at (505) 667-0819 or Joe Mose at (505) 667-5808.

Sincerely,



Julie A. Canepa, Program Manager
LANL/ER Project

Sincerely,



Theodore J. Taylor, Program Manager
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