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Date: August 17, 2005  
Refer to:ER2005-0628

Mr. James Bearzi  
NMED – Hazardous Waste Bureau  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505-6303

**SUBJECT: FIELD ACTIVITIES NOTIFICATION**

Dear Mr. Bearzi:



The Los Alamos National Laboratory Environmental Stewardship Remediation Services Project is planning to start surface water and groundwater sampling in the Mortandad Canyon watershed beginning on or after August 29, 2005. This work will represent the second of two rounds of sampling required under the Mortandad Canyon Groundwater Work Plan, Rev. 1 (LA-UR-04-0165) which was approved by NMED in February, 2004. Work will consist of sampling at eight surface water locations, up to fifteen alluvial wells (dependent on extent of saturation), four intermediate wells, and seven regional wells. The goal will be to complete all the sampling over a 21-day window beginning no sooner that August 29.

The list of sample locations is given in the table below.

| Reaches for Surface Water Stations (8)            | Alluvial Wells (15)  | Intermediate Wells (4)         | Regional Wells (7)                      |
|---|--|--------------------------------|---|
| E-1FW, E-1W, E-1E, M-1W, M-1E, M-2E, TS-1W, TS-2E | MCO-0.6, MCA-1, MCA-4, MCA-5, MCO-4B, MCO-5, MCO-6, MCA-2, MCO-7, MT-1, MCO-7.5B, MT-2 or MT-3, TSCA-6, MT-4 | MCOI-4, MCOI-5, MCOI-6, MCOI-8 | R-1, R-13, R-14, R-15, R-28, R-33, R-34 |



This set of surface water locations includes those in the work plan plus two additional locations deemed by LANL to be useful for bounding key investigation reaches. Only four of the eight alluvial wells drilled in accordance with the work plan have saturation. Nine existing wells have been added to the sampling campaign for optimal watershed coverage.

Sampling will include intermediate wells that were recently installed as part of the Mortandad Canyon Groundwater Work Plan. The work plan calls for sampling in five regional wells. Wells R-13, and R-14 have been added to provide a snapshot of regional groundwater conditions beneath the watershed.

The analytical suite for each location is consistent with the suite described in Tables 5 and 6 of the approved work plan, modified by the addition of stable isotopes, TOC, VOCs, and lanthanides for most locations.

Please contact Danny Katzman (505) 667-6333 (katzman@lanl.gov) if you have any questions.

Sincerely



Jean Dewart, Program Manager, Pathways Protection  
Environmental Remediation and Surveillance Project  
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