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GOVERNOR

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**ENVIRONMENT DEPARTMENT**  
**DOE OVERSIGHT BUREAU**  
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21 March 1996

Mr. Courtland Fesmire, LAAO AIP, POC  
Department of Energy  
Los Alamos Area Office  
528 35th Street MS A316  
Los Alamos, NM 87544

**RE: Recommendations concerning Environmental Surveillance (ES) and/or Environmental Restoration (ER) sampling during 1996 at Los Alamos National Laboratory (LANL), Los Alamos, New Mexico**

Dear Mr. Fesmire:

The New Mexico Environment Department (NMED) Department of Energy Oversight Bureau (DOE OB) staff have conducted ground-water and surface-water oversight activities from 1994 through 1996 at LANL (on-site and off-site). After evaluating recent NMED and LANL data and other pertinent information, the DOE OB recommends that LANL begin yearly or semi-annual monitoring at the following ground-water and surface-water sites:

Ground-water Sites

- |                         |                  |
|-------------------------|------------------|
| Martin Spring           | Homestead Spring |
| Burning Ground Spring   | Anderson Spring  |
| SWSC Spring             | Bulldog Spring   |
| Starmer's Spring        | Threemile Spring |
| Charlie's Spring        | TA-18 Spring     |
| LA Spring               |                  |
| BH-1 (TA-3, Bld. SM-30) |                  |
| LAUZ-1 (DP Canyon)      |                  |
| LAUZ-2 (DP Canyon)      |                  |

The above springs can be currently found on a draft NMED version FIMAD map (#G104386). Well locations are LANL ER sites which are within Field Unit 1.



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Surface-water SITES

- o Pajarito Canyon near the mouth of Twomile Canyon
- o Canon de Valle approximately 1 - 2 km downstream from MDA-P
- o Threemile Canyon approximately 10 - 30 m downstream from TA-18 Spring
- o Water Canyon approximately 0.5 - 1.0 km downstream from Water Canyon and the western boundary of the laboratory (State Route 501 and Water Canyon)

In addition, with regard to springs and well sampling, DOE OB recommends that LANL environmental groups measure field parameters and obtain samples at or as close to the source as possible. DOE OB would appreciate a response so that we may discuss these recommendations with DOE or LANL staff. If you have any questions concerning this matter please contact Bryan Vigil at 672-0457.

Sincerely,



Steve Yanicak, NMED, DOE OB, LANL POC  
New Mexico Environment Department

S:bmv

cc: Neil Weber, NMED, Chief, DOE Oversight Bureau  
[REDACTED], NMED, Chief, HRMB  
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