

Environmental Programs

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National Nuclear Security Administration

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Date: March 16, 2007
Refer To: EP2007-0171

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

Subject: 15-Day Sampling Notification, Middle Mortandad/Ten Site Aggregate

Dear Mr. Young:

Beginning March 27, 2007, the Los Alamos National Laboratory (LANL) Environmental Programs - Corrective Actions Programs (EP-CAP) would like to collect samples from within the Middle Mortandad Canyon/Ten Site Aggregate Area located at Technical Areas (TAs) 05 and 35. Although the proposed sampling date is less than the 15 days notification required by the Order, recent inspections of the site indicate that snow accumulation has decreased to the point where sampling may safely be performed. Because LANL has had to request an extension to the original sampling date due to force majeure conditions (excessive snow accumulation; see EP2007-0062, dated February 6, 2007), we would like to begin sampling activities as soon as possible to avoid further delays. Sampling will be conducted in accordance with the following documents:

- "Investigation Report for the Middle Mortandad/Ten Site Aggregate" (ER2005-0578)
- Response to the "Notice of Disapproval for Investigation Report for the Middle Mortandad/Ten Site Aggregate," LANL letter dated July 11, 2006 (EP2006-0665)
- "Approval of the Time Extension for Resubmittal of the Investigation Report for the Middle Mortandad/Ten Site Aggregate" (NMED letter dated August 14, 2006)
- "Response to Approval of the Time Extension for Resubmittal of the Investigation Report for the Middle Mortandad/Ten Site Aggregate," LANL letter dated September 8, 2006. (EP2006-0817)
- "Additional Sampling at Middle Mortandad/Ten Site Aggregate Area" (NMED letter dated October 28, 2006)

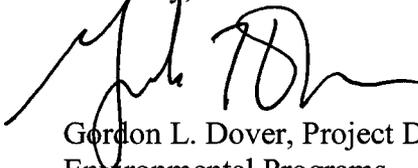
The sampling is summarized in the following table:



| Subarea | SWMU or AOC | Location IDs | Depth (ft) | Analyses |
|---------------------|------------------------|-----------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------|
| Mortandad Slope | 35-016(o) 35-016(p) | 35-02043, 35-02255, 35-02254, 35-02508, 35-02091, 35-02092, 35-02095, 35-02096 | 0-0.5, ~1.0-1.5 | Polycyclic aromatic hydrocarbons (PAHs) |
| Mortandad Slope | 35-016(o) | 3 locations at top of slope | Surface and Subsurface soil/tuff | PAHs |
| Mortandad Slope | 35-016(o) | 8 locations at base of slope | Surface and Subsurface soil/tuff | PAHs |
| Mortandad Slope | 35-016(p) | 5 locations at base of slope | Surface and Subsurface soil/tuff | TAL metals and PAHs |
| Pratt Canyon | 35-016(k)-00 | 35-02502 | 2.0-2.5, 3.0-3.5 | PAHs |
| Pratt Canyon | 35-016(k)-00 | 35-02503 | 2.0-2.5, 3.0-3.5 | PAHs |
| Pratt Canyon | 35-016(k)-00 | 35-02214 | 2.0-2.5, 3.0-3.5 | PAHs |
| Pratt Canyon | 35-016(k)-00 | 2 locations | 0.0-1.0, 2.0-2.5 | PAHs |
| Pratt Canyon | 35-003(d)-00 | 35-24402 | 2.5-3.0, 4.0-4.5 | Strontium-90 |
| Pratt Canyon | 35-003(d)-00 | 35-24405 | 2.5-3.0, 4.0-4.5 | Strontium-90 |
| East Ten Site Slope | 05-001(c) | 05-22894 | ~6.2-6.7, ~7.0-7.5 | Isotopic Uranium |
| East Ten Site Slope | 05-001(a)-99 | 05-02060 | 1.0-1.5, 2.0-2.5 | TAL metals |
| East Ten Site Slope | 05-001(a)-99 | 05-02056 | 22-22.5, 24.5-25 | TAL metals |

If this letter does not constitute sufficient notification, or if you have any other questions or concerns, please contact Becky Coel-Roback at (505) 665-5011 or becky_cr@lanl.gov.

Sincerely,



Gordon L. Dover, Project Director
Environmental Programs – Corrective Actions Program
Los Alamos National Laboratory

Mr. John Young
EP2007-0171

March 16, 2007

GLD/JH:ew

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