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Date: NOV 29 2011
Refer To: EP2011-0405

John Kieling, Acting Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

NOV 2011

Subject: Inspection and Maintenance of Erosion Controls in the Drainages to the 90s Line Pond at Technical Area 16

Dear Mr. Kieling:

This letter documents the annual inspection and maintenance of erosion controls associated with the drainages entering the 90s Line Pond at Technical Area 16 (TA-16) at Los Alamos National Laboratory (the Laboratory). This letter is submitted annually pursuant to the New Mexico Environment Department's (NMED's) "Approval with Modifications [for the] Supplemental Investigation Work Plan for Consolidated Units 16-007(a)-99 and 16-008(a)-99 at Technical Area 16" dated December 31, 2008.

Four solid waste management units (SWMUs) within Consolidated Unit 16-008(a)-99 were evaluated for inclusion in the Laboratory's National Pollutant Discharge Elimination System (NPDES) Stormwater Individual Permit (NPDES Permit No. NM0030759) and were determined to have no potential to discharge to waters of the United States. However, stormwater from these sites drains to the 90s Line Pond. Best management practices were installed in the two major drainages to the 90s Line Pond on June 8, 2008. They consisted of juniper bales designed to block sediment transport down the drainages into the pond. Wattles were installed in 2009 and 2010 and continue to control sediment transport from a bare slope draining to the 90s Line Pond (Figure 1).

An annual inspection of the erosion controls, conducted in November 2011, revealed that two of the four juniper bale check dams had been damaged from large storm events in the summer of 2011. The check dams were repaired and are in good operating condition (Figures 2–5). No other erosion control maintenance activities were required during the previous 12 months.

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If you have any questions, please contact John McCann at (505) 665-1091 (jmccann@lanl.gov) or Woody Woodworth at (505) 665-5820 (lance.woodworth@nnsa.doe.gov).

Sincerely,

B. G. Schappell for MJG

Michael J. Graham, Associate Director
Environmental Programs
Los Alamos National Laboratory

Sincerely,

George J. Rael, Assistant Manager
Environmental Projects Office
Los Alamos Site Office

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FIGURES

Figure 1 Seed, mulch, and straw wattles on bare slope draining to 90s Line Pond, November 2011

Figure 2 Juniper bale check dam in channel draining to 90s Line Pond

Figure 3 Juniper bale check dam in channel draining to 90s Line Pond repaired in November 2011

Figure 4 Juniper bale check dam in channel draining to 90s Line Pond repaired in November 2011

Figure 5 Juniper bale check dam in channel draining to 90s Line Pond repaired in November 2011