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Date: NOV 19 2010
Refer To: EP2010-0519

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

RECEIVED
NOV 2010
NMED Hazardous Waste Bureau

Subject: Erosion Controls in Drainages to the 90s Line Pond

Dear Mr. Bearzi:

This letter documents stormwater management associated with drainages entering the 90s Line Pond [Consolidated Unit 16-008(a)-99]. This letter is required as part of the New Mexico Environment Department's (NMED's) notice of approval with direction for the revised investigation report for Consolidated Units 16-007(a)-99 and 16-008(a)-99, dated February 11, 2008.

The individual solid waste management units (SWMUs) within Consolidated Unit 16-008(a)-99 are located within a level, well-vegetated area of Technical Area 16. There is little potential for stormwater to discharge from the area. If surface flow were generated, much of it would discharge to the 90s Line Pond and would have no potential to reach waters of the U.S.

Best management practices (BMPs) were installed in the two major drainages to the 90s Line Pond on June 8, 2008. They consist of juniper bales designed to block sediment transport down the drainages into the pond. The juniper bales remain in good condition with little sediment accumulation (Figures 1–3 attached). Wattles were installed in 2009 to control sediment transport from a disturbed slope. The old wattles were recently replaced with new ones, and bare soil was covered with seed and mulch (Figure 4 attached).

Several SWMUs in Consolidated Unit 16-008(a)-99 were evaluated for inclusion in the Los Alamos National Laboratory's National Pollutant Discharge Elimination System Stormwater Individual Permit (Permit No. NM0030759) and were determined to have no potential to discharge to waters of the U.S. Four SWMUs within the consolidated unit [16-017(a)-99, 16-017(b)-99, 16-026(m), and16-029(k)] would not generate runoff to the 90s Line Pond and were included in the Individual Permit because of their potential to drain to Cañon de Valle. BMPs associated with these SWMUs are inspected and maintained through the Individual Permit program.

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

Sincerely,

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

Sincerely,

for

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

MG/GR/DM/JM:sm

Enclosures: Two hard copies with electronic files – Figures (LA-UR-10-7540)

Cy: (w/enc.)
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FIGURES

Figure 1 Drainages into the 90s Line Pond before installation of BMPs

Figure 2 Drainages into the 90s Line Pond after BMP installation, June 2008

Figure 3 90s Line Pond BMPs, November 2009

Figure 4 90s Line Pond BMPs, November 2010