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NMED Hazardous Waste Bureau

National Nuclear Security Administration
Los Alamos Site Office, MS A316
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Date: DEC 14 2011
Refer To: EP2011-0407

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

Subject: Erosion Controls Associated with Fishladder Canyon [Solid Waste Management Unit 16-003(o)]

Dear Mr. Kieling:

This letter documents stormwater management following mitigation activities on Solid Waste Management Unit (SWMU) 16-003(o)—"Fishladder Canyon." This letter is required as part of the New Mexico Environment Department's approval with modifications for the Phase II investigation report for the TA-16-340 Complex, revision 1, dated February 9, 2009.

Stormwater controls were installed during Phase II investigation activities in July 2008 on the mesa top and north-facing hillslope draining into Fishladder Canyon and in the main Fishladder Canyon drainage. Controls included straw wattles on the mesa top, hillslope, and access road (see attached Figures 1 to 3) designed to control surface erosion and sediment transport by establishing a permanent vegetation cover. Controls in the main channel included a rock check dam and a gabion structure, designed to reduce flow velocities.

SWMU 16-003(o) is included in Los Alamos National Laboratory's National Pollutant Discharge Elimination System Stormwater Individual Permit (Permit No. NM0030759). Stormwater controls at the SWMU are inspected under the individual permit program at least once per year, following a 0.25 in./30 min or greater intensity rain event or following an exceedance of permit-specified stormwater standards. Controls at this SWMU were inspected four times this year between July 14 and September 26, 2011, following four separate rain events. In addition an annual erosion evaluation inspection was performed on September 22, 2011. Any maintenance issues that were identified were promptly resolved.

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,

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

Sincerely,

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

MG/GR/DM/JM:sm

Atttachment: Figures (LA-UR-11-6957)

Cy: (w/att.)
Neil Weber, San Ildefonso Pueblo
Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB, MS M894
Tom Skibitski, NMED-OB, Santa Fe, NM (date-stamped letter emailed)
Annette Russell, DOE-LASO (date-stamped letter emailed)
Woody Woodworth, DOE-LASO (date-stamped letter emailed)
John McCann, EP-CAP, MS M992 (date-stamped letter emailed)
Dave McInroy, EP-CAP, MS M996 (date-stamped letter emailed)
Michael J. Graham, ADEP, MS M991 (date-stamped letter emailed)
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