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Date: FEB 1 1 2011
Refer To: EP2011-0059

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FEB 2011
NMED Hazardous Waste Bureau

James Bearzi, 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)], Revision 1

Dear Mr. Bearzi:

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 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 and hillslope (see attached Figures 1 to 3) that were designed to control surface erosion and sediment transport by establishing a permanent vegetation cover. Previously existing controls in the main channel include a rock check dam and a gabion structure, which were designed to reduce flow velocities and sediment.

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 or 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 six times this year between June 11 and October 21, following six separate rain events. Maintenance issues were identified for storms on July 8, 2010, and July 29, 2010, and promptly resolved. Specifically,

1. Inspectors noted that although rock check dam V0070801005 was functioning, it would benefit from additional angular rock. Angular rock was added to the structure on August 9, 2010.
2. Four of seven straw wattles in best management practice V00712010003 were retired and replaced on August 9, 2010, because they were over 2 yr old and not fully functional. The other three wattles had been torn and were replaced on August 12, 2010.

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Photos of individual controls are not required as part of the individual permit program inspection procedure and are not available for this report.

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,

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

MG/GR/DM/JM:sm

Atttachment: Figures (LA-UR-11-0945)

Cy: (w/att.)
Neil Weber, San Ildefonso Pueblo
Woody Woodworth, DOE-LASO, MS A316
John McCann, EP-CAP, MS M992
RPF, MS M707 (w/ two CDs)
Public Reading Room, MS M992

Cy: (Letter and CD and/or DVD only)
Laurie King, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB, MS M894
William Alexander, EP-BPS, MS M992

Cy: (w/o att.)
Tom Skibitski, NMED-OB, Santa Fe, NM
Annette Russell, DOE-LASO (date-stamped letter emailed)
Dave McInroy, EP-CAP, MS M992 (date-stamped letter emailed)
Michael J. Graham, ADEP, MS M991 (date-stamped letter emailed)

FIGURES

Figure 1 Downslope from mesa top into Fishladder Canyon

Figure 2 Upslope from bottom of Fishladder Canyon

Figure 3 East down Fishladder Canyon access road