

ERID-204349



## IRM-RMMSO

## Official Correspondence Form

Action Required

Name:	U1101199													
Title:	Approval With Modifications - 2010 Geomorphic Changes at Sediment Transport Mitigation Sites in the Los Alamos Pueblo Canyon Watersheds													
Date Received:	7/6/2011													
Addressee Name:	Michael Graham, ADEP													
Originator:	John Kieling, NMED Santa Fe													
Action Item Description:														
Action Due Date:	5/31/2012													
Responsible for Action:	Search <u>Henry, Paul D</u>													
Responsible Office:	ADEP													
Distribution:	<table> <tr> <td>Michael Graham</td> <td>Deborah K. Woitte</td> </tr> <tr> <td>Charles McMillan</td> <td>William Alexander</td> </tr> <tr> <td>Isaac RichardsonIII</td> <td>Phoebe K. Suina</td> </tr> <tr> <td>Richard Marquez</td> <td>Anthony R. Grieggs</td> </tr> <tr> <td>Paul Henry</td> <td>Tina Sandoval</td> </tr> <tr> <td>James Cantwell</td> <td>Scotty Jones</td> </tr> </table>		Michael Graham	Deborah K. Woitte	Charles McMillan	William Alexander	Isaac RichardsonIII	Phoebe K. Suina	Richard Marquez	Anthony R. Grieggs	Paul Henry	Tina Sandoval	James Cantwell	Scotty Jones
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SUSANA MARTINEZ  
Governor

JOHN A. SANCHEZ  
Lieutenant Governor

**NEW MEXICO  
ENVIRONMENT DEPARTMENT**

*Hazardous Waste Bureau*

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DAVE MARTIN  
Cabinet Secretary

RAJ SOLOMON, P.E.  
Deputy Secretary

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

July 1, 2011

George J. Rael, Assistant Manager  
U.S. Department of Energy  
National Nuclear Security Administration  
Los Alamos Site Office  
3747 West Jemez Road, MS A316  
Los Alamos, NM 87544

Michael Graham, Associate Director  
Environmental Programs  
Los Alamos National Security, L.L.C.  
P.O. Box 1663, MS 991  
Los Alamos, NM 87545

**RE: APPROVAL WITH MODIFICATIONS  
2010 GEOMORPHIC CHANGES AT SEDIMENT TRANSPORT MITIGATION  
SITES IN THE LOS ALAMOS AND PUEBLO CANYON WATERSHEDS  
LOS ALAMOS NATIONAL LABORATORY (LANL)  
EPA ID #NM0890010515  
HWB-LANL-11-034**

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *2010 Geomorphic Changes at Sediment Transport Mitigation Sites in the Los Alamos and Pueblo Canyon Watersheds* (Report), dated May 2011 and referenced by LA-UR-2970/EP2011-0157. NMED has reviewed the Report and hereby issues this Approval with Modifications.

**Modifications:**

**1) Figures 2, 6, 10, 13, 16 and 19, plan view orthophotos.**

**NMED Comment:** The following changes to these figures must be implemented for all future reports documenting geomorphic changes.

- a) change the color of the line depicting the thalweg for better contrast and identify differences in lengths,
- b) locate the cross section labels to the side for better aerial views of channel,
- c) provide the dates of the imagery used,
- d) provide geomorphic evaluation maps and cross-sections in addition to the aerial maps, and
- e) provide a figure depicting the willow plantings, plant density, and annual changes in willow distribution.

**2) Information not included in the Report**

**NMED Comment:** The following data and information were not included in the current Report, but must be incorporated in all future reports documenting geomorphic changes.

- a) a map depicting channel banks and terraces utilizing GIS,
- b) information on observations of the health and success of the willow plantings, which must be performed during the summer or fall seasons,
- c) photographic documentation of willow plantings observations with successive photographs taken from the same locations and vantage points, and
- d) photographic documentation of all grade control structures, as well as examples of bank erosion and aggradation at surveyed cross section locations, with successive photographs taken from the same locations and vantage points.

Messrs. Rael and Graham

July 1, 2011

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The next report documenting observed geomorphic changes in the Los Alamos and Pueblo Canyons Watershed is due on **May 31, 2012**. Please contact Ben Wear at (505) 476-6041 should you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "John E. Kieling" with a stylized flourish at the end.

John E. Kieling  
Acting Chief  
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB  
N. Dhawan, NMED HWB  
B. Wear, NMED HWB  
S. Yanicak, NMED DOE OB, MS J993  
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L. King, EPA 6PD-N  
P. Maggiore, DOE-LASO, MS A316  
S. Veenis, EP-CAP, MS M992  
C. Rodriguez, DOE-LASO, MS A316

File: Reading and LANL '11, Los Alamos/Pueblo Canyons Surface Water

NAME J. Cecilia Montoya  
Z# 086365  
DATE 7-6-11

**CERTIFIED MAIL™**

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