



# IRM-RMMSO

## Official Correspondence Form

ACTION REQUIRED

Name:	U1100515			
Title:	Approval with Modifications Drilling Work Plan for Regional Aquifer Wells MW-14 (R-64) and MW-10 (R-65) LANL EPA ID NM0890010515 HWB-LANL-MISC-GW			
Date Received:	3/22/2011			
Addressee Name:	M. Graham, ADEP			
Originator:	J. Bearzi, NMED			
Action Item Description:				
Action Due Date:	7/15/2011			
Responsible for Action:	Search <u>Graham, Michael J</u>			
Responsible Office:	ADEP			
Distribution:	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">                     Michael J. Graham                      Isaac E. RichardsonIII                      Michael B. Mallory                      David J. McInroy                      Phoebe K. Suina                      William Z. Alexander                      Tina M. Sandoval                 </td> <td style="width: 50%; border: none;">                     Michael R. Anastasio                      Richard A. Marquez                      Deborah K. Woitte                      James C. Cantwell                      Anthony R. Grieggs                      Victoria A. George                      Scotty Jones                 </td> </tr> </table>		Michael J. Graham Isaac E. RichardsonIII Michael B. Mallory David J. McInroy Phoebe K. Suina William Z. Alexander Tina M. Sandoval	Michael R. Anastasio Richard A. Marquez Deborah K. Woitte James C. Cantwell Anthony R. Grieggs Victoria A. George Scotty Jones
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Lieutenant Governor

**NEW MEXICO  
ENVIRONMENT DEPARTMENT**

***Hazardous Waste Bureau***

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DAVE MARTIN  
Secretary

RAJ SOLOMON, P.E.  
Deputy Secretary

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

March 18, 2011

George J. Rael  
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U.S. Department of Energy  
National Nuclear Security Administration  
Los Alamos Site Office  
3747 West Jemez Rd, MSA316  
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Michael J. Graham  
Associate Director Environmental Programs  
Los Alamos National Security, L.L.C.  
P.O. Box 1663, MS M991  
Los Alamos, NM 87545

**RE: APPROVAL WITH MODIFICATIONS  
DRILLING WORK PLAN FOR REGIONAL AQUIFER WELLS  
MW-14 (R-64) AND MW-10 (R-65)  
LOS ALAMOS NATIONAL LABORATORY  
EPA ID#NM0890010515  
HWB-LANL-MISC-GW**

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) is in receipt of the United States Department of Energy (DOE) and Los Alamos National Security, L.L.C.'s (collectively, the Permittees) document entitled *Drilling Work Plan for Regional Aquifer Wells MW-14 (R-64) and MW-10 (R-65) (Plan)* dated January 14, 2011 and referenced by EP2011-0009.

NMED has reviewed the Plan and hereby issues this Approval with the following modifications.

1. If intermediate groundwater is encountered during drilling of either regional well R-64 or R-65, in each case notify NMED by phone within one business day of each such occurrence. If NMED determines that the intermediate zone(s) requires monitoring, submit a drilling work plan for the installation of an intermediate well

at a nearby location no later than 30 days after the completion of the well in which the intermediate groundwater was observed.

2. Collect a minimum of eight time-series groundwater samples during the purge-pumping stage of development of wells R-64 and R-65. The groundwater samples must be analyzed for total organic carbon, dissolved major ions and trace metals. These data will confirm the sufficiency of the development of each well, better define impacts from drilling and drilling fluids, and establish a baseline for sample quality and representativeness.

Regional well R-64 must be completed by **July 15, 2011**, as proposed in the Plan. The final drilling location for R-65 must be determined within one month of completing R-64. Well R-65 must be completed no later than **September 30, 2011**.

Should you have any questions or comments, please contact Michael Dale at (505) 661-2673.

Sincerely,



James P. Bearzi  
Chief  
Hazardous Waste Bureau

cc: J. Kieling, NMED HWB  
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