



Department of Energy  
Washington, DC 20585

January 13, 1994

Mr. C. William Reamer, Acting Director  
Repository Licensing and Quality Assurance  
Project Directorate  
Division of High-Level Waste Management  
Office of Nuclear Material Safety  
and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Reamer:

The enclosed Yucca Mountain Site Characterization Project participant monthly status reports are forwarded for your information. If you have any questions on the enclosed reports, please contact Priscilla Bunton at (202) 586-8365.

Linda J. Desell, Chief  
Regulatory Integration Branch  
Office of Civilian Radioactive  
Waste Management

Enclosures:

- little shelf* *IN JACKET 11/93 YUCCA MT PROJ.*  
*9402080332 940113 AND 940208334*  
*940113*
- (1) EG&G/EM Progress Report, November 1993
  - (2) Lawrence Livermore National Laboratory Yucca Mountain Project Status Report, October 1993
  - (3) Lawrence Livermore National Laboratory Yucca Mountain Project Status Report, November 1993
  - (4) REEC Co Yucca Mountain Project Progress Report, November 1993

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*Add: Ken Hooker to Sel*  
*NH03-11*  
*WM-11*  
*102*

cc: (w/encl.)  
R. Nelson, YMPO  
Ken Hooks, NRC  
T. J. Hickey, Nevada Legislative Committee  
R. Loux, State of Nevada  
D. Bechtel, Las Vegas, NV  
Eureka County, NV  
Lander County, Battle Mountain, NV  
P. Niedzielski-Eichner, Nye County, NV  
W. Offutt, Nye County, NV  
L. Bradshaw, Nye County, NV  
C. Schank, Churchill County, NV  
F. Mariani, White Pine County, NV  
V. Poe, Mineral County, NV  
J. Pitts, Lincoln County, NV  
J. Hayes, Esmeralda County, NV  
B. Mettam, Inyo County, CA



# EG&G ENERGY MEASUREMENTS

Santa Barbara Operations

EG&G ENERGY MEASUREMENTS, INC., 101 CONVENTION CENTER DRIVE, LAS VEGAS, NEVADA 89109

DEC 7

12:18 PM '93 794-7463

WBS 1.2.13.4  
NQA

December 6, 1993  
LV94-RAG-007

Wendy Dixon, Director  
Project and Operations Control Division  
Yucca Mountain Project Office  
DOE Field Office, Nevada  
P. O. Box 98518  
Las Vegas, NV 89193-8518

## NOVEMBER 1993 PROGRESS REPORT

Attached is the November 1993 progress report on biological studies and support activities conducted by EG&G/EM for the Yucca Mountain Site Characterization Project. Please contact Tom O'Farrell (293-7762) or me (794-7474) if you have questions regarding this report.

W. Kent Ostler, Manager  
Environmental Science Department

RG:vk

Attachment

cc: G. Ryder, DOE/YMP  
D. Sorensen, SAIC  
P. Schilling, SAIC

315

ACTION

DIVISION

CC:

CC:

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REC'D IN YMP

621

ENCLOSURE 1

1-350657

*Rec'd by [unclear] dtob*  
*1/13/94*  
*9402080331 940113*

**YUCCA MOUNTAIN PROJECT  
BIOLOGICAL RESOURCES PROGRAM  
MONTHLY PROGRESS REPORT  
NOVEMBER 1993**

**Summary of Work Accomplished During Report Period**

EG&G Energy Measurements (EG&G/EM) conducted work for the Biological Resources task (WBS 1.2.13.4.11) for the Project Office. Activities included conducting preactivity surveys; continuing site characterization effects studies, support studies for the radiological monitoring program, desert tortoise studies, and habitat reclamation studies; development of work instructions and study designs for new studies; and responding to requests for biological support by Project Office.

**KEY ISSUES and CONCERNS**

- None

**MAJOR ACCOMPLISHMENTS**

- The Terrestrial Ecosystems program was presented to the Nuclear Waste Technical Review Board. EG&G/EM staff scientists assisted the Project Office with the Public Update Meetings in Pahrump, Las Vegas, and Reno.

**PLANNED WORK NOT ACCOMPLISHED**

- None

**MAJOR WORK IN PROGRESS**

- EG&G/EM conducted one preactivity survey to assess potential impacts on biological resources from a proposed activity. Four biological resource survey and one reclamation inventory reports were submitted to Project Office. A tortoise resurvey was conducted at one site. Monitoring was conducted at one site to ensure tortoises were not harmed during construction activities. Casual access surveys were conducted at three sites.
- EG&G/EM continued monitoring radiomarked tortoises. One desert tortoise was located within the fence around the borrow pit and was displaced. Ninety-five percent of the radiomarked tortoises had entered hibernation by the end of November.

**EG&G Energy Measurements  
Monthly Progress Report  
November 1993**

**2**

- Final reclamation was completed at the sites of the 35 GSF pits. The topsoil stockpiles were stabilized at the 24 MWV soil pits. Thirty sites in Crater Flats with land disturbance were visited to examine the condition of the topsoil stockpiles to determine if stabilization was required. Reclamation site # 1 was prepared to for initiating trials to test the effect of soil depth and quality on re-establishment of vegetation.
- Continued preparing the final report for FY92 activities.



# Lawrence Livermore National Laboratory

LLYMP9311115  
November 19, 1993

WBS 1.2.9  
QA: N/A


J. Russell Dyer, Acting Project Manager  
Department of Energy  
Yucca Mountain Project Office  
P.O. Box 98518  
Las Vegas, Nevada 89193-8518

SUBJECT: Yucca Mountain Project Status Report - October 1993  
SCP: N/A

Attached is the October Project Status Report for LLNL's participation  
in the Yucca Mountain Project.

If further information is required, please contact Carol Passos at 702-794-7511  
or Jim Blink at 702-794-7157.

Sincerely,

for   
W.L. Clarke  
LLNL Technical Project Officer  
for YMP

WC/CP

cc: Distribution

## DISCLAIMER

The LLNL Yucca Mountain Project cautions that any information is preliminary and subject to change as further analyses are performed or as an enlarged and perhaps more representative data base is accumulated. These data and interpretations should be used accordingly.

ENCLOSURE 2



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KPTS 1.4

11-19-93