



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: *on the 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) REECO Yucca Mountain Project Progress Report, November 1993

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Add: Ken Hooke to Col
NH03-11
WM-11
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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 TEL 791-7463

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: Dixon/Ryder
 REVISION: leah/ryder
 CC: OCB BC
 CC: Gandy/Schneberger
 CC: Demmons
 CC: Newbury
 CC: Cherrell
 CC: Nelson

REC'D IN YMP

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ENCLOSURE 1

I-350657

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**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.

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

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- 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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