



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

Reply to:  
1050 East Flamingo Road  
Suite 319  
Las Vegas, Nevada 89119  
Tel: (702) 388-6125  
FTS: 598-6125

TO: King Stablein, HLPD, M/S 4 H 3  
FROM: Paul T. Prestholt, Sr. On-Site Licensing Representative  
DATE: November 22, 1989  
SUBJECT: NUMEROUS DOCUMENTS RECEIVED TODAY FROM DON LIVINGSTON  
(NATURAL RADIONUCLIDES IN GROUNDWATER FROM J-13 WELL  
AT THE NEVADA TEST SITE, PLUS 17 OTHERS)

Please find enclosed the above-referenced documents  
that I picked up today for forwarding to you.

PTP:nan

cc: J. J. Linehan, M/S 4 H 3

*16 of the 18 references are in the public domain.  
Key Stablein*

8912050038 891122  
FOR WASTE  
WM-11 PDC

*102  
WM-11  
NHD3 1/2*

# memorandum

DATE August 8, 1988

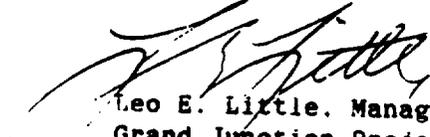
SUBJECT SUBMITTAL OF STUDY PLAN FOR GEOCHRONOLOGY OF GROUNDWATERS AT YUCCA MOUNTAIN

TO: Carl Gertz, Manager  
Waste Management Project Office - DOE/NV

Attached is a proposed Study Plan or Activity for site characterization of the Yucca Mountain Site. It is entitled "Geochronology by (U.Th) - <sup>4</sup>He and <sup>4</sup>He - <sup>222</sup>Rn Methods". This study is to determine the ages of each individual source of groundwaters which may be mixed together in the saturated zone. We believe this work will contribute to the performance assessment mission for siting the Nuclear Waste Repository.

Please have Dr. D. E. Livingston review this plan and contact Tony Zaikowski regarding any revisions he deems appropriate. Dr. Livingston can determine whether this work should be a stand-alone Study Plan or an activity related to another Study Plan. In general we would prefer that it be a stand-alone Study Plan because any possible problems with other activities would be minimized.

We have a well-proven Quality Assurance program and Cost/Schedule Control System in place and are confident that Dr. Zaikowski can conduct a study which will be of definite benefit to your project. Please telephone Eldon Bray at FTS 326-6014 if you have any questions.

  
Leo E. Little, Manager  
Grand Junction Projects Office

Attachment:  
As stated

- cc: w/attachments
- M Blanchard - DOE/NV
- D Livingston - DOE/NV
- C Nichols - DOE/ID
- E Bray - DOE/GJPO
- w/o attachments
- T Zaikowski - UNC
- K Falconer - UNC

808mem/eb

NNJ-1988-3199  
ACTION LIVINGSTON  
CC: BLANCHARD  
CC: GERTZ ) w/o EXLS  
CC: WILMOT  
CC: \_\_\_\_\_  
CC: \_\_\_\_\_  
CC: \_\_\_\_\_

REC'D IN WMPO

8-11-88

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