



Department of Energy
Office of Civilian Radioactive Waste Management
Office of Repository Development
1551 Hillshire Drive
Las Vegas, NV 89134-6321

QA: N/A
Project No. WM-00011

FEB 08 2005

OVERNIGHT MAIL

ATTN: Document Control Desk
Director, Division of High-Level Waste
Repository Safety
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852-2738

**TRANSMITTAL OF DATA FROM HIGH-RESOLUTION AEROMAGNETIC SURVEY OF
THE YUCCA MOUNTAIN AREA**

Reference: Ltr, Ziegler to Chief, High-Level Waste Branch (NRC), dtd 11/5/03 (IA 1.02 AIN-1:
DOE Position on Volcanic Hazard at Yucca Mountain, Nevada, and Plans for
Confirmatory Studies)

In the referenced letter, the U.S. Department of Energy committed to complete a high-resolution aeromagnetic survey of the area surrounding Yucca Mountain, Nevada. The U.S. Nuclear Regulatory Commission requested the data from the survey during an Appendix 7 meeting held in Las Vegas, Nevada, on September 21, 2004. That survey has been completed and the data from the survey has been qualified and placed in the Technical Data Management System.

Two enclosures accompany this letter. Enclosure 1 is a compact disk (CD) that contains the data from Data Tracking Number (DTN) LA0411AC831142.001, Helicopter-Borne Aeromagnetic Data from Yucca Mountain and Vicinity 11/10/2004. The data are provided in three files: (1) FinalMagData-TraversalLines.dat, (2) FinalMagData-TieLines.dat, and (3) DataDescription.pdf. The data (.dat) files can be opened with Oasis Montaj software by Geosoft. These files can be made publicly available. A fourth file, List of Files on Enclosure 1 Compact Disk.doc, is included on the CD. Enclosure 2 is a hard copy of The List of Files on the Enclosure 1 CD.

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There are no new regulatory commitments in the body or the enclosures to this letter. If you have any questions about these analyses or the associated notes, please contact Eric T. Smistad at (702) 794-5073 or e-mail eric_smistad@ymp.gov, or April V. Gil at (702) 794-5578 or e-mail april_gil@ymp.gov.



Joseph D. Ziegler, Director
Office of License Application and Strategy

OLA&S:AVG-0672

Enclosures:

1. CD containing the data from DTN
LA0411AC831142.001, Helicopter-
Borne Aeromagnetic Data from Yucca
Mountain and Vicinity 11/10/2004
2. List of Files on Enclosure 1

FEB 08 2005

cc w/encls:

T. J. Kobetz, NRC, Rockville, MD
D. S. Rom, NRC, Rockville, MD
D. D. Chamberlain, NRC, Arlington, TX
D. B. Spitzberg, NRC, Arlington, TX
R. M. Latta, NRC, Las Vegas, NV
J. D. Parrott, NRC, Las Vegas, NV
H. J. Larson, ACNW, Rockville, MD
M. T. Ryan, ACNW, Rockville, MD
W. C. Patrick, CNWRA, San Antonio, TX
Budhi Sagar, CNWRA, San Antonio, TX
J. R. Egan, Egan, Fitzpatrick, Malsch & Cynkar, Vienna, VA
J. H. Kessler, EPRI, Charlotte, NC
M. J. Apted, Monitor Scientific, LLC, Denver, CO
Rod McCullum, NEI, Washington, DC
W. D. Barnard, NWTRB, Arlington, VA
Pat Guinan, State of Nevada, Carson City, NV
R. R. Loux, State of Nevada, Carson City, NV
Alan Kalt, Churchill County, Fallon, NV
Irene Navis, Clark County, Las Vegas, NV
George McCorkell, Esmeralda County, Goldfield, NV
Ron Damele, Eureka County, Eureka, NV
Michael King, Inyo County, Edmonds, WA
Andrew Remus, Inyo County, Independence, CA
Mickey Yarbrow, Lander County, Battle Mountain, NV
G. T. Rowe, Lincoln County, Pioche, NV
Linda Mathias, Mineral County, Hawthorne, NV
Dave Swanson, Nye County, Pahrump, NV
Mike Simon, White Pine County, Ely, NV
R. I. Holden, National Congress of American Indians, Washington, DC

cc w/o encls:

M. G. Bailey, NRC, Rockville, MD
F. D. Brown, NRC, Rockville, MD
Jack Guttman, NRC, Rockville, MD
G. P. Hatchett, NRC, Rockville, MD
N. K. Stablein, NRC, Rockville, MD

List of Files on Enclosure 1 Compact Disk				
File Name	Size (Bytes) ¹	Date Modified	Time Modified	Associated Directory
Data	-	1/11/05	08:03 AM	D:\
List of Files on Enclosure 1 Compact Disk	21,504	1/12/2005	12:23 PM	D:\Data\
LA0411AC831142.001	-	1/11/2005	07:53 AM	D:\Data\
DataDescription.pdf ²	24,749	10/5/2004	12:49 PM	D:\LA0411AC831142.001\
FinalMagData-TieLines.dat ³	46,580,794	10/5/2004	10:33 AM	D:\LA0411AC831142.001\
FinalMagData-TraverseLines.dat ³	463,594,193	10/5/2004	10:18 AM	D:\LA0411AC831142.001\

¹File size is consistent with the size shown by opening the file in Microsoft Word, selecting Properties from the File menu, and opening the General tab.

²The description in the .pdf file identifies two data files with .zip extensions. NRC guidance for submittal of electronic data precludes submittal of zipped files. The two files have been unzipped and included on the compact disk as data files with .dat extensions.

³The data files can be opened using mapping software such as Oasis Montaj.