



Department of Energy  
Washington, DC 20585

September 13, 1991

Mr. John J. Linehan, 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. Linehan:

By letter of May 8, 1991 (Desell to Linehan), the U.S. Department of Energy (DOE) notified the U.S. Nuclear Regulatory Commission (NRC) that a set of three controlled copies of Study Plan 8.3.1.2.2.7, Revision 0, "Hydrochemical Characterization of the Unsaturated Zone," was sent to your office in October 1990, directly by the Yucca Mountain Site Characterization Project Office (YMPO).

Since the study plan sent in that manner in October 1990, was not sent through this office, it was not considered an official transmission until NRC received the DOE letter of May 8, 1991, indicating the study plan to be officially transmitted.

Recently, NRC informed this office by telephone that, in its review of the study plan it received from YMPO, alternate pages were discovered to be missing in each of the set of documents received.

Therefore, enclosed is the corrected controlled copy of Study Plan 8.3.1.2.2.7, Revision 0, for NRC review. This office requests that NRC consider this copy of the study plan to be officially transmitted by the DOE as of the date of this letter.

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*Delivered to the King...*

DOE regrets any inconvenience to NRC in this matter. Should you have any questions, please contact Sharon Skuchko of my office at (202) 586-4590.

Sincerely,



Dwight E. Shelor  
Associate Director for  
Systems and Compliance  
Office of Civilian Radioactive  
Waste Management

Enclosure: *on the shelf*  
Study Plan 8.3.1.2.2.7, Revision 0, "Hydrochemical  
Characterization of the Unsaturated Zone"

cc w/Enclosure:  
Arturo Ramose, CNWRA, San Antonio, TX

cc w/o Enclosure:  
C. Gertz, YMPO  
R. Loux, State of Nevada  
K. Whipple, Lincoln County, NV  
M. Baughman, Lincoln County, NV  
J. Bingham, Clark County, NV  
D. Bechtel, Clark County, NV  
S. Bradhurst, Nye County, NV  
B. Raper, Nye County, NV  
P. Niedzielski-Eichner, Nye County, NV  
R. Campbell, Inyo County, CA  
R. Michener, Inyo County, CA  
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N. K. Stablein, NRC

TMS 89/2  
01/16/91  
Revision No.: 1

**TECHNICAL & MANAGEMENT SUPPORT SERVICES  
DOCUMENT TRANSMITTAL/ACKNOWLEDGMENT RECORD**

WBS: 1.2.9  
QA: N/A  
Page 1 of 1

TO:  
LINEHAN J J  
NRC/WASHINGTON  
  
ONE WHITE FLINT NORTH  
11555 ROCKVILLE PIKE  
ROCKVILLE, MD 20852-0000

FROM: Science Applications Int. Corp.  
Document Control Center  
101 Convention Center Drive  
Suite 407, Mail Stop 517 / T-34  
Las Vegas, Nevada 89109  
FTS 544-7810 or (702)794-7810  
  
TRANSMITTAL DATE: 09/03/91

COPY NO.: 2

DOCUMENT TITLE: HYDROCHEMICAL CHARACTERIZATION OF THE UNSATURATED ZONE  
DOCUMENT REVISION: 0 DOCUMENT IDENTIFICATION NUMBER: 8.3.1.2.2.7

**DIRECTIONS**

This is a corrected double-sided controlled copy of Study  
Plan 8.3.1.2.2.7, Rev. 0.

REPLACE: 8.3.1.2.2.7, Rev. 0 with  
8.3.1.2.2.7, Rev. 0, corrected copy.

\*\*\* Destroy or mark incorrect controlled copy \*\*\*

SIGN/DATE IN BLACK INK BELOW TO CONFIRM THAT THE ABOVE DIRECTIONS HAVE BEEN FOLLOWED,  
AND RETURN THIS TRANSMITTAL RECORD, WITH THE OBSOLETE MATERIAL, AS APPROPRIATE, TO THE  
ABOVE ADDRESS BY:

10/01/91

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DCC Personnel Initials

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