



Department of Energy
 Yucca Mountain Site Characterization
 Project Office
 P. O. Box 98608
 Las Vegas, NV 89193-8608

*Photo
 RAJ -*
 Note from p. 9.
 QA: N/A See Charlotte for
 Complete Copy of Weekly
 Highlights. Please let
 me know how important
 you think this is. Can
 wait till I visit 1/25-29.
 Phil
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JAN 11 1993

John W. Bartlett, Director, Civilian Radioactive Waste Management,
 HQ (RW-1) FORS

OFFICE OF GEOLOGIC DISPOSAL (OGD) WEEKLY HIGHLIGHTS FOR THE WEEK ENDING
 JANUARY 1, 1993

I. CRITICAL ITEM STATUS - YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT

A. Site Characterization Planning

Field Operations

Drilling and construction activities are at a stand down for two weeks due to the holidays.

Sample Management Facility

No significant items to report.

Exploratory Studies Facility (ESF) Task Force Activities

The following milestones represent the near-term plan for ESF activities:

Receive Tunnel Boring Machine (TBM) Vendor Proposals	February 9, 1993
Award Subcontract for Underground Construction	March 1993
Award TBM Contract	April 1993
Start Excavating TBM Launch Chamber	April 2, 1993

Site Characterization Plan (SCP) Study Plan (SP) Status

One minor SP revision, 8.3.1.2.1.2, Revision 1, "Characterization of the Yucca Mountain Regional Surface-Water Runoff and Streamflow," was approved by the Yucca Mountain Site Characterization Project Office (YMPO) this week. The U.S. Nuclear Regulatory Commission (NRC) completed the Phase I review of one SP, 8.3.1.4.2.1, "Characterization of the Vertical and Lateral Distribution of Stratigraphic Units in the Site Area."

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II. ANALYSIS & VERIFICATION DIVISION

Completed review of Defense Waste Processing Facility Waste Qualification Report, Volume 1, in preparation for the January Technical Review Group comment consensus meeting in Augusta, Georgia.

III. GENERAL INFORMATION ITEMS

Civilian Radioactive Waste Management System Management and Operating Contractor (CRWMS M&O)

Completed preparation of an outline that defines the work scope interface boundaries between the repository advanced conceptual design of the surface and subsurface designs.

Participated in the preparation and review of an integrated schedule for advanced conceptual design activities.

Continued to review and modify the COBRA planning documents.

Lawrence Livermore National Laboratory

Hydrothermal calculation which includes the saturated zone (SZ), shows that the SZ heating is a function of the quantity of spent fuel emplaced rather than the geometric design details of its emplacement. Consequently, the hydrothermal and potential geochemical consequences of heat in the SZ should not be considered a design issue, but rather the inherent response of the SZ to the emplacement of a given quantity of spent nuclear fuel.

Rg
NOTE

U.S. Geological Survey

The following two reports were technically reviewed: "Structural Character of the Ghost Dance Fault, Yucca Mountain, Nevada," and "Seismic Reflection Profiling: Essential Geophysical Data For Yucca Mountain, Nevada." The reports were prepared for presentation at the International High-Level Radioactive Waste Management Conference to be held April 26-30, 1993, in Las Vegas.

Hydrology staff monitored the amounts and distribution of precipitation at Yucca Mountain from storms occurring December 28-29, 1992.

IV. UPCOMING EVENTS CALENDAR

Please note that the usage of "(P)" in the calendar indicates that the event is open to the public. Educational presentations and State and Public Interactions are coordinated by the Speakers Bureau; contact Linda Artis at (702) 794-7896 or Theresa Hirsch at (702) 794-7759 for