



Department of Energy
 Yucca Mountain Site Characterization
 Project Office
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WBS 1.2.3
 QA: N/A

DEC 20 1993

Robert R. Loux
 Executive Director
 Agency for Nuclear Projects
 State of Nevada
 Evergreen Center, Suite 252
 1802 North Carson Street
 Carson City, NV 89710

RESPONSE TO REQUEST FOR EXPLORATORY STUDIES FACILITY (ESF) STARTER TUNNEL PHOTOGRAPHY AND GEOLOGIC MAPS PRODUCED FROM THE PHOTOGRAPHY (SCP: N/A)

Reference: Ltr, Loux to Dyer, dtd 11/4/93

Please be advised that the U.S. Geological Survey (USGS) and U.S. Bureau of Reclamation staff expect to complete geologic maps of the ESF starter tunnel during late December or early January. Although the starter tunnel, portal, and alcoves are photographed, those data will not serve as a basis for geologic mapping of the subsurface tunnel areas but will be used as support information for the current geologic mapping exercises being conducted under the USGS mapping activity. At present, geologic maps are developed from line surveys and preliminary drawings but not from the photographs.

Your request for photographs indicated that the objective of the request was "for purposes of analysis of the quality and detail of the geologic maps interpreted from the photographs." As explained above, generation of the geologic maps did not depend upon the photographic materials that constitute the core of your request. We are in the process of reproducing 8 by 10 inch copies of the subject photographs currently available and will send them to you under separate cover. Should additional photographs become available, we will forward them to you. We expect delivery of a complete set of the photography by January 24, 1994.

A full periphery map of the starter tunnel is due in to the Yucca Mountain Site Characterization Project Office (YMPO) from the USGS during early January 1994. The report will include supporting presentations of structural data. Once this report is made available to YMPO, it can be provided to your office if requested.

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A second report combining the data from the full-periphery mapping of the starter tunnel and associated statistical data from the North Ramp portal area is due into YMPO during March 1994; similarly, this report can be provided to your office if requested.

The USGS Technical Project Officer, Larry Hayes, has offered to meet with a State of Nevada representative to explain details of the mapping process, availability of data, plans for future data collection, and report development. If you have any questions or wish to discuss this offer, please contact Larry R. Hayes of the USGS at (303) 236-0516 or (702) 794-7141.

Please direct any questions regarding this letter to Mark C. Tynan of my staff at (702) 794-7940.

RSED:MCT-1026


Robert M. Nelson, Jr.
Acting Project Manager

cc:

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