

Distribution

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WMEG r/f

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RJWright

23

101.1/JTB/85/05/09

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MAY 13 1985

Mr. O. L. Olson  
Project Manager  
Basalt Waste Isolation Project Office  
U.S. Department of Energy  
Post Office Box 550  
Richland, WA 99352

Dear Mr. Olson:

Enclosed is a list of 25 documents taken from the draft EA reference list. Your office previously sent us several microfiche copies of each of these references. The microfiche are useful for reference purposes, but they tend to be rather inconvenient for every day use. All of the documents deal with design/rock mechanics and are consulted frequently.

Would you please arrange for a hard copy of each reference to be sent here in the near future.

If you have any questions regarding this please call John Buckley FTS (427-4544).

Sincerely,

~~Signature~~

Robert J. Wright  
Senior Technical Advisor  
Repository Projects Branch  
Division of Waste Management

Enclosure:  
As stated

WM Record File	WM Project
<u>101.2</u>	<u>10</u>
	Docket No. _____
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\* See previous concurrence

FC	:WMEG	:WMEG	:WMRP	: WMRP :	:	:
NAME	:JBuckley*	:MSNataraja*	:RJWright	: higgins :	:	:
DATE	:5/8/85	:5/8/85	:5/9/85	: 5/9/85 :	:	:

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100/JTB/85/5/8/0

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Distribution:  
 WM file: 100  
 WMEG r/f  
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 REBrowning  
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 RJWright

Mr. O. L. Olson  
 Project Manager  
 Basalt Waste Isolation Project Office  
 U. S. Department of Energy  
 Post Office Box 550  
 Richland, WA 99352

Dear Mr. Olson:

Enclosed is a list of 25 references taken from the draft EA reference list. Please send one hard copy of each reference to me at your earliest convenience.

DOE has previously submitted several microfiche copies of each of these references to the NRC. Although microfiche copies are handy for reference storage purposes, they tend to be rather inconvenient for every day use. All of the documents requested deal with design/rock mechanics.

I would greatly appreciate an effort on your part to expedite the transfer of the enclosed documents to me. If I can answer any questions regarding this request please call me at 8-427-4676.

Sincerely,

Robert J. Wright  
 Senior Technical Advisor  
 Repository Projects Branch  
 Division of Waste Management

Enclosure:  
 As stated

OFC	: WMEG JB	: WMEG Raj	: WMRP	:	:	:	:
NAME	: JTBuckley:jec	: MSNataraja	: RJWright	:	:	:	:
DATE	: 05/8/85	: 05/8/85	: 05/ /85	:	:	:	:

## List of Needed Documents

- Agapito, J. F. T., M. P. Hardy, and D. R. St. Lawrence, 1977. Geo-Engineering Review and Proposed Program Outline for the Structural Design of a Radioactive Waste Repository in Columbia Plateau Basalt, RHO-ST-6, Rockwell Hanford Operations, Richland, Washington.
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- ASCE (American Society of Civil Engineers), 1982. Proceedings of the Conference on Grouting and Geotechnical Engineering, W. R. Backer (ed.), Geotechnical Engineering Division, New Orleans, Louisiana.
- Bai, S., W. Zhu, and K. Wang, 1983. "Some Rock Mechanics Problems Related to a Large Underground Power Station in a Region with High Rock Stress," Proceedings of the 5th Congress in Rock Mechanics, International Society of Rock Mechanics, Melbourne, Australia, pp. D271-D273.
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- Bieniawski, Z. T., 1979. "The Geomechanics Classification in Rock Engineering Applications," Proceedings of the 4th International Society of Rock Mechanics, Montreaux, Switzerland.
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- Cobbs, J. H., 1984. Analysis of Shaft Construction - Bougainville Island, New Zealand, Cobbs Engineering, Tulsa, Oklahoma.
- Fenix & Scisson, 1983a. Technical Services to Assist in Developing a Large Diameter Blind Shaft Boring Test Plan - Task 2 Report - Current Technology Review, SD-BWI-DTP-003, for Rockwell Hanford Operations, Richland, Washington.

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- Fenix & Sisson, 1983b. Technical Services to Assist in Developing a Large Diameter Blind Shaft Boring Test Plan - Task 4 Report - Field Development Plan Preparation, SD-BWI-DTP-002, for Rockwell Hanford Operations, Richland, Washington.
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- Hunter, H. E., 1983. "Shaft Drilling-Crown Point Project, Conoco, Inc. Houston, Texas," Proceedings of the Rapid Excavation and Tunneling Conference, Chicago, Illinois (June 1983).
- Jorge, G. R., and J. Mauxaux, 1978. "Prevention of Accidents in Difficult Tunneling Conditions by Means of Specialized Techniques Such as Grouting, Drainage, Umbrella Arch Methods," Proceedings of International Tunnel Symposium-78, Tokyo, International Tunneling Association, Tokyo, Japan
- Karwoski, W. J., W. C. McLaughlin, and W. Blake, 1979. Rock Preconditioning to Prevent Rock Bursts--Report on a Field Demonstration," U.S. Bureau of Mines Report of Investigation 8381.
- Kim, K., S. A. Dischler, J. R. Aggson, and M. P. Hardy, 1984. The State of In Situ Stresses Determined by Hydraulic Fracturing at the Hanford Site, SD-BWI-TD-014, Rockwell Hanford Operations, Richland, Washington.
- Mitchell, S. J., 1984. Direct Shear Testing Data Reduction, Computational Brief 00066, Rockwell Hanford Operations, Richland, Washington.
- Morrison-Knudsen, Co., Inc., 1983b. Potential Geologic Hazards in the Long-Hole Interval ES-1 Shaft Site, Rockwell Hanford Operations, Richland, Washington.
- Myrvang, H. M., and E. Grimstad, 1983. "Rock Burst Problems in Norwegian Highway Tunnels - Recent Case Histories," Rock Burst: Prediction and Control, Proceedings of Symposium Organized by the Institution of Mining and Metallurgy in Association with Institution of Mining Engineers, London, England, October 20, pp. 133-140.
- Presley, C. K., 1981. Drilled Shafts-An Alternative Approach to Mine Development, the Northwest Mining Association, Spokane, Washington.

List of Needed Documents

- RKE/PB (Raymond Kaiser Engineers/Parsons Brinkerhoff Quade & Douglas, Inc.), 1984a. Task V, Engineering Study No. 5, Shaft Optimization Study, SD-BWI-ES-016, for Rockwell Hanford Operations, Richland, Washington...
- RKE/PB (Raymond Kaiser Engineers, Inc./Parsons Brinkerhoff Quade Douglas, Inc.), 1984B. Task V, Engineering Study No. 9, Repository Underground Layout (Draft), SD-BWI-ES-023, for Rockwell Hanford Operations, Richland, Washington.
- Rockwell (Rockwell Hanford Operations), 1983b. Preliminary Performance Requirements and Criteria for the Seal System of a Nuclear Waste Repository in Basalt, SD-BWI-CR-015, Appendix C, Richland, Washington, p. 100.
- Rockwell and RKE/PB (Rockwell Hanford Operations, and Raymond Kaiser Engineers, Inc./Parsons Brinkerhoff Quade & Douglas, Inc.), 1982. Nuclear Waste Repository in Basalt, Project B-301, Functional Design Criteria, SD-BWI-FDC-006 REV 0-0, Richland, Washington.
- Voss, C. F., 1984. Application of Several Empirical Tunnel Design Methods for Estimating Support Requirements in an Underground Nuclear Waste Repository in Basalt, SD-BWI-ER-011, Rockwell Hanford Operations, Richland, Washington.