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 Chicago Operations Office
 Salt Repository Project Office
 505 King Avenue
 Columbus, Ohio 43201-2693

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Distribution:
 J Linehan
 (Return to WM, 623-SS)

March 14, 1984

John J. Linehan, Section Leader
 Salt Section
 Repository Projects Branch
 Division of Waste Management, MS 623-SS
 U.S. Nuclear Regulatory Commission
 Washington, D.C. 20555

Dear Mr. Linehan:

SUBJECT: REFERENCES TO FACILITATE REVIEW OF LETTER REGARDING EXPLORATORY
 SHAFT CONSTRUCTION AND SEALING

In response to your February 29, 1984 letter to me, enclosed are the
 references checked on the attached list.

Sincerely,

J. O. Neff
 Program Manager
 Salt Repository Project Office

SRPO:LAC:1572A

ST# 355-84

Enclosure:
 List of references

cc: R. Johnson, NRC
 W. Bennett, DOE-RW-20
 M. Frei, DOE-RW-23
 C. Newton, DOE-RW-23

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REFERENCES

See index for 12/20
Letter from Neff 3/11/84

1. Parsons Brinckerhoff/PB-KBB, 1983. Exploratory Shaft Facility - Preliminary Design Report, Volume 1, Permian Basin (ES-46A-01), prepared for the Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.
2. Parsons Brinckerhoff/PB-KBB, 1983. Preliminary Design - Exploratory Shaft Facility, Permian Basin, Deaf Smith and Swisher Counties, Texas, Large Hole Drilling Method, drawings and annotated specifications prepared for the Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.
3. S. A. Pence, Jr. (Dowell Division of Dow Chemical Company) Drips or Blasts - Chemical Seal Ring Stops Water on Gas
4. Dowell Division of Dow Chemical Company, Mining Services Technical Information Sheet - Dowell Chemical Seal Ring
5. Dowell Division of Dow Chemical Company. Service Recommendation - Cementing and Chemical Seal Ring Grouting Service Recommendation, letter from G. A. Correa to S. Poppen, Parsons Brinckerhoff/PB-KBB, September 7, 1982.
6. Office of Nuclear Waste Isolation. Salt Exploratory Shaft Construction Method Recommendation Paper, letter from S. Goldsmith to J. O. Neff, February 14, 1983.
7. D'Appolonia Consulting Engineers, Inc., 1981. Sealing Considerations for Repository Shafts in Bedded and Dome Salt, ONWI 255, prepared for the Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.
8. Office of Nuclear Waste Isolation, 1983. Functional Design Criteria for the Exploratory Shaft in Salt, ONWI-455, Battelle Memorial Institute, Columbus, OH.
9. D'Appolonia Consulting Engineers, Inc., 1982. A Preliminary Evaluation of the Rock Mass Disturbance Resulting from Shaft, Tunnel, or Borehole Excavation, ONWI-411, prepared for the Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.

Have been issued as an ONWI Document #498

10. D'Appolonia Consulting Engineers, Inc., 1982. Schematic Designs for Penetration Seals for a Repository in Bedded Salt, ONWI 405, prepared for Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.
11. Pennsylvania State University Materials Research Laboratory, 1983. Selection and Durability of Seal Materials for a Bedded Salt Repository, ONWI-479, prepared for the Office of Nuclear Waste Isolation, Battelle Memorial Institute, Columbus, OH.
12. Office of Nuclear Waste Isolation, 1983. Conceptual Test Plan for Site Confirmation Testing in an Exploratory Shaft in Salt, ONWI-493, Battelle Memorial Institute, Columbus, OH.
13. Office of Nuclear Waste Isolation, 1983. Performance Assessment of a Shaft Seals System in an HLW Repository in the Gibson Dome Area, ONWI-494, Battelle Memorial Institute, Columbus, OH.
14. Office of Nuclear Waste Isolation, 1983. Preliminary Study of Performance Characteristics of a Generic Conceptual Seal System at the Richton Salt Dome, letter report to J. O. Neff, Battelle Memorial Institute, Columbus, OH.
15. Christensen, C. L. and T. O. Hunter, 1981. The Bell Canyon Test Summary Report, SAND 80-1375, Sandia Laboratories, Albuquerque, New Mexico.
16. Burns, F. L., R. Lingle and A. Andrews, 1982. Cement-plug Leakage and Drilling Damage Evaluated, Oil and Gas Journal, November 22, 1982.
17. U.S. Department of Energy National Waste Terminal Storage Program Office, August 1983. Exploratory Shaft Facility (ESF) Project Management Plan.

18. U.S. Department of Energy, December 1982. Quality Assurance Manual, ONWI Project, National Terminal Waste Storage Project Office (NPO), Columbus, OH.
19. Office of Nuclear Waste Isolation, April 1983. Quality Assurance Manual, Battelle Project Management Division, Columbus, OH.
20. Battelle Project Management Division, BPMD Project Management Procedures Manual, Battelle Project Management Division, Columbus, OH.
21. Office of Nuclear Waste Isolation, Engineering Functional Area Procedures Manual, Revision 0, Battelle Project Management Division, Columbus, OH. *more procedures have been added.*
22. Parsons Brinckerhoff/PB-KBB, November 1983. Exploratory Shaft Facility Quality Assurance Program Plan *Rev 2 Given to J. Linchan - No PDR*
23. Parsons-Redpath, June 1983. Exploratory Shaft Facility Quality Assurance Plan.

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		ACTUAL COMPLETION DATE:	<u>3/6 9:30</u>
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OUTGOING DOCUMENT NUMBER: ST 355-84 WBS NO.: 10.8.5

RELATED DOCUMENT NUMBERS: 84062685A, ST 133-84, 83092346A

DOCUMENT TITLE: References to Facilitate Review of Letter Regarding Exploratory Shaft Construction and Sealing

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