



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

February 23, 1999

MEMORANDUM TO: Central File

FROM: Sandra L. Wastler *[Signature]*
Performance Assessment & HLW
Integration Branch
Division of Waste Management, NMSS

SUBJECT: SUBMITTAL OF DOCUMENTS

The following documents have been received from the U.S. Department of Energy, either directly or through the U.S. Nuclear Regulatory Commission's On-Site Representatives and should be placed in the High-Level Waste, Yucca Mountain Subject file:

1. U.S. Department of the Interior Geological Survey, Technical Letter: NTS-34, "Summary of Hydraulic Tests and Abridged Lithologic Log for Ground-Water Test Well 5, Nye County, NV," by Lewis R. West and Murray S. Garber, November 28, 1962.
2. Contractor document prepared for U.S. DOE, "Compilation of Known or Suspected Quaternary Faults Within 100 KM of Yucca Mountain, Nevada and California, Open File Report 94-112," by L.A. Piety, U.S. Bureau of Reclamation, 1995.
3. Los Alamos National Laboratory, Transmittal of Completed Los Alamos Milestone SP321AM4, "A Preliminary Three-Dimensional Mineralogical Model of Yucca Mountain," by D.L. Bish et al. (WBS 1.2.3.2.1.2.2), January 14, 1997.
4. Los Alamos National Laboratory, Request for approval of Milestone SP321BM4, "Mineralogic Variation in Drill Holes USW NRG-6, 7/7a, SD-7, 9, 12, and UZ#14," (Delivery Mineralogical Analysis of Cuttings and Core Report) by S.J. Chipera, June 2, 1997.
5. TRW Report, "Drift Scale Test Design and Forecast Results," December 11, 1997.
6. TRW Report, "Ambient Characterization of the Drift Scale Test Block," December 11, 1997.
7. Package contains information for the 21PWR waste package example contained in the "Disposal Criticality Analysis Methodology Topical Report," 1997.

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*CDROMs located in File Center
Maps Also located in File Center*

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8. Yucca Mountain Site Characterization Project Technical Data Information: Second Quarter Results of Chemical Measurements In The Single Heater Test, April 17, 1997.
9. Berkeley National Laboratory Report: "Results of the Analysis of the Timber Mt., Lathrop Wells, and Yucca Mt. Aeromagnetic Data," by M.A. Feighner and E.L. Majer, Level 4 Milestone SPT23KM4, WBS: 1.2.3.11.2, November 29, 1996.
10. Berkeley National Laboratory Report: "Regional Seismic Reflection Profile, Re: Processing Decision," by E.L. Majer, Level 4 Milestone SPT23LM4, WBS: 1.2.3.11.2, December 30, 1996.
11. Civilian Radioactive Waste Management System, Management and Operating Contractor Report: "Performance Confirmation Plan," B00000000-00841-4600-00002 Rev 00, WBS: 1.2.1.5, September 1997.
12. Berkeley National Laboratory Report: "Results of Gravity Modeling of the Paleozoic Basement," by E.L. Majer, L.R. Johnson, D.W. Vasco, P. Parker, Level 4 Milestone SP3B6DM4, WBS: 1.2.3.11.2, January 30, 1998.
13. Berkeley National Laboratory Report: "Results of VSP Analysis in P # 1," by A.A. Feighner, T.M. Daley, R. Gritto and E.L. Majer, Milestone SP3B6AM4, WBS 1.2.3.11.2, January 30, 1998.
14. Berkeley National Laboratory Report: "Revised: Milestone SP3B2BM4, Report on CDP Reflection Image and Subsurface Structure Along Lines B and C: UZ-16 VSP, WBS 1.2.3.11.2 February 9, 1998.
15. Nevada Bureau of Mines and Geology to Department of Energy Yucca Mountain Project," Proposal: Geodetic Monitoring the the Yucca Mountain Region Using Continuous Global Positioning System Measurements," June 9, 1998.
16. Berkeley National Laboratory Report: "A Chaotic-Dynamical Conceptual Model to Describe Fluid Flow and Contaminant Transport in a Fractured Vadose Zone," 1997 Progress Report and Presentations at the Annual Meeting, Ernest Orlando Lawrence, Berkeley National National Laboratory, July 1998.
17. Civilian Radioactive Waste Management System, Management and Operating Contractor, TRW Report: "Chapter 1, Total System Performance Assessment-Viability Assessment (TSPA-VA), Analyses Technical Basis Document, Introduction," B00000000-01717-4301-00001 Rev 00, WBS 1.2.5.4, August 14, 1998.

18. Berkeley Lab Report: "Thermo-Hydro-Chemical Predictive Analysis for the Drift-Scale Heater Test," Eric Sonnenthal, Nicholas Spycher, John Apps and Ardyth Simmons, Level 4 Milestone SPY289M4, Version 1.1, Yucca Mountain Site Characterization Project, September 10, 1998.
19. YMP/U.S. Geological Survey Report: "Water chemistry Data from Samples Collected at Borehole USW WT-24, Between 10-6-97 to 12-10-97," WBS:1.2.5.3.5, September 14, 1998.
20. DOE, OCRWM Report: "Full Scale Tomographic Seismic Imaging of the Potential Repository Horizon," Revision 00C, September 30, 1998.
21. Exploratory Study Facility (ESF), Yucca Mountain, NV Study: "Fluid Inclusion Studies of Samples from the Exploratory Study Facility, Yucca Mountain, NV," by Yuri V. Dublyansky, Blacksburgh, VA, October 1998.
22. Institute for Energy and Environmental Research Final Report: "Fluid Inclusion Studies of Samples from the Exploratory Study Facility, Yucca Mountain, NV," by Y.V. Dublyansky, December 1998.
23. Proposal submitted to DOE by J.S. Cline, University of NV, Las Vegas: "Thermochronological Evolution of Calcite Formation at the Proposed Yucca Mountain Repository Site, Nevada," January 4, 1999.
24. TRW Report to Yucca Mountain Site Characterization Office: "Thermal Test Progress Report #1," December 23, 1998.
25. CD-ROM: "Drift Scale Test As-Built Report," BAB000000-01717-5700-00003 REVOL, July, 1998.
26. CD-ROM: "Waste Form Characteristics Report".
27. CD-ROM: "Drift Scale Test Progress Report No. 1, November, 1998, BAB000000-01717-5700-00004 Rev .01 (information only copy.)
28. Geologic Map of the Yucca Mountain Region-Preliminary Draft/Unreviewed Data/For Information Only, 7/1/98. (Aperture Card 9812070277-01)
29. Compilation Map of Known and Suspected Quaternary Faults within 100 km of Yucca Mountain, Nevada and California - North Half, by L.A. Piety. (Aperture Card 9812070277-02)

30. Compilation Map of Known and Suspected Quaternary Faults within 100 km of Yucca Mountain, Nevada and California - South Half, by L.A. Piety. (Aperture Card 9812070277-03)

Attachments: As stated

CONTACT: Sandra L. Wastler, NMSS
415-6724