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DISTRIBUTION

MEMORANDUM FOR: Malcolm R. Knapp, Acting Chief
Geotechnical Branch
Division of Waste Management

FROM: Jeffrey A. Pohle
Geotechnical Branch
Division of Waste Management

SUBJECT: REVIEW OF WM DOCKET CONTROL CENTER'S NNWSI TECHNICAL DOCUMENT INVENTORY

WM s/f (3100) JBUNTING
 WMGT r/f LHIGGINBOTHAM
 NMSS r/f PSJUSTUS
 CF JPOHLE & r/f
 REBROWNING ~~PDR~~
 MBELL
 JTGREEVES
 HJMILLER

I have just completed a review of the inventory of NNWSI related documents contained in our technical library. Specifically, this review was for the following reasons:

1. To determine how many and which specific documents related to NNWSI will require some form of documented review by the Geotechnical Branch.
2. To determine which of those documents have already been reviewed.
3. Of those documents requiring review what are the priorities and depth of review required.

A complete listing of the NNWSI documents was provided by Nancy Still of the Document Control Center. The reports are listed in alphanumeric order by report number. To better achieve the goals of this Task I took the complete listing and by "cut and paste" categorized the reports by technical area then ordered them by date when possible. Only the technical areas for which the Geotechnical Branch is responsible were considered.

The categories I used are as follows:

1. Geology - General geology and stratigraphy (12 reports)
2. Geology/Geophysics - All geophysical surveys, analyses and interpretations excluding borehole geophysics (29 reports)
3. Geology/Seismicity - All documents concerning earthquakes (including fault dating), vulcanism and tectonism (23 reports)

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- 4. Hydrogeology - All ground and surface water documents including borehole hydrogeology reports, flow modeling studies and codes (18 reports)
- 5. Geology/Hydrogeology - Borehole lithologic and geophysical log reports containing data, analyses and/or interpretations (17 reports)
- 6. Geochemistry - Sorption-Desorption studies, mineral stability, radionuclide migration experiments, model studies and/or codes (22 reports)
- 7. Geology/Geochemistry - Mineralogy and petrology (11 reports)
- 8. Hydrogeology/Geochemistry - Hydrochemistry reports including age dating studies in support of flow path and travel time determinations (none)
- 9. System Performance - Reports dealing with risk assessments, scenario development and consequence assessments. Includes system performance computer codes. (6 reports)
- 10. Thermal Studies in Tuff - A number of reports on thermal assessments may be appropriate for review by Geotechnical Branch staff. Reports dealing with thermomechanics were not included (13 reports)

A total of 351 documents were included in the NNWSI listing. Of these, there are 151 documents included in the above categories. As stated previously, these documents represent the technical areas in which I anticipate that responsibility for review will be with the staff of the Geotechnical Branch. The remaining 250 documents relate to technical or management areas which are likely to be the responsibility of WMEG and WMRP. These topical areas include:

- 1. NNWSI Quarterly Reports
- 2. NNWSI Monthly Status Reports
- 3. Research and Development Related to NNWSI
- 4. Spent Fuel Dry Storage Development Reports
- 5. Quality-Assurance
- 6. Environmental Reports (e.g., Biotic Surveys)
- 7. Design Reports
- 8. Rock Mechanics Reports
- 9. Waste Package Reports
- 10. Most reports dealing with Climax Granite Studies
- 11. Most reports dealing with Eleana Formation (Argillite) studies

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Reports dealing with the Climax Granite and Eleana Formation were excluded because the repository is proposed to be in Tuff at Yucca Mountain. It is doubtful that resolution of any critical licensing issues will depend on studies of the isolation capability of the Climax Stock and Eleana Formation. No technical discussions or information exchanges regarding these media has occurred during the NNWSI workshops. Therefore, I presumed that staff resources would be more efficiently used for review of documents related to a repository in tuff with the other documents available for review on an as needed or FYI basis.

The other 9 topical areas omitted may contain information pertinent to review by WMGT staff. Because these documents would, at best, be only partly applicable to WMGT review I would recommend that site managers request WMGT review of applicable sections on a case by case basis.

Attachment 1 is a complete listing of NNWSI technical documents with those documents included in Attachment 2 so indicated. Attachment 2 is the list of documents broken down by technical areas pertinent to WMGT. Noted in Attachment 2 (by asterisk*) are those documents which, to the best of my knowledge, have been reviewed. Nancy Still is reviewing the document review file so this list is still tentative. Because Attachment 2 is also organized by date, any additions to the list can be added to the end making updating a simple task.

It is probable that not all the documents in Attachment 2 will need an in-depth review. Staff guidance is needed regarding who decides review priority and necessary depth of review. Technical teams within WMGT are capable keeping on top of incoming documents if they are forwarded promptly and responsibility for assignments made clear.

I hope this exercise will be useful to you in managing WMGT resource commitments.

"ORIGINAL SIGNED BY"

Jeffrey A. Pohle
Geotechnical Branch
Division of Waste Management

Attachments:
As stated

OFC	:	WMGT	:	:	:	:	:	:
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NRC DIVISION OF WASTE MANAGEMENT
HIGH-LEVEL WASTE SITING REPORTS

<u>Log #/ Title</u>	<u>Report #</u>	<u>Author</u>	<u>Document Date</u>
00331 DUGS Literature Search, For Use in DNA/WES Proposed Studies at the Rainier Mesa Area			000000
00333 G/S			790000
Peer review comments on Geological Investigations Technical Review 5/22-23/79; comments on Tectonics, Volcanism, and Seismicity Technical Review 7/24-25/79; comments on Peer Review Meeting of the Nevada Nuclear Waste Storage Investigations Program 9/2325/80			
00308 Nevada Nuclear Waste Storage Investigations, by Nevada Operations Office. DOE			800500
00335 Various viewgraph packages: - Field Radionuclide Migration Studies in Climax Granite, D. Isherwood, 2/17/81 - Nuclide Migration Field Experiments in G-Tunnel Nevada Test Site, LANL/SNL/ANL, 2/81 - Geologic Isolation of Nuclear Waste in Tuff, SNL/LASL - Geochemistry in Tuff and Tuff At-Depth Test Facility, LANL (both presented at NNWSI - NRC Technical Briefing, DOE/NV, Las Vegas, 2/17/81) - NNWSI Hydrologic Investigations			810000
00334 Peer Review			810800
00272 Water Diffusion in Quartz at High Pressure: Tectonic Implications. Geophysical Research Letters, Vol. 8, No. 7. pps. 721-723		Blacic	810700
00739 Parameters Affecting Radionuclide Migration in Argillaceous Media, from Argillaceous Materials for the Isolation of Radioactive waste, Proceed the NEA Workshp, Paris, France, 9/10-12/79		Erda	800000
00261 Trip Report for Nevada Nuclear Waste Storage Investigations: Peer Review 8/24-28/81, Internal Sandia Report		Guzowski	810000
00310 G/GP A Study of the Vertical Vibrator Source for Seismic Profiling in the Mountain Area of the Nevada Test Site, Final Report submitted to U.S. Colorado School of Mines		Hadsett	800000
01272 Public Hearing Re: US Department of Energy Proposed Nomination of Mountain as a Potential High-Level Radioactive waste Repository. Re: Transcript of Proceedings. At University of Nevada Student Union Bu		Heard	830000

**NRC DIVISION OF WASTE MANAGEMENT
HIGH-LEVEL WASTE SITING REPORTS**

<u>Log #/ Title</u>	<u>Report #</u>	<u>Author</u>	<u>Document Date</u>
00332		Kanehiro	820331
Trip Report Seattle, Washington, 3/23-24/82, Symposium on Unsaturated Flow and Transport Modeling sponsored by NRC & PNL, w/cover ltr dtd 4/16/82 fm B. Stromdahl, LBL, to S. Coplan, NRC			
00299 G		Lipman	660000
A Compositionally Zoned Ash-Flow Sheet in Southern Nevada, Geological Survey Professional Paper 524-F, by USGS for AEC			
00317		Maldonado	000000
Summary of the Geology and Physical Properties of the Climax Stock, Nevada Test Site, by USGS			
00692		McVey	790910
Test Results and Supporting Analysis of a Near Surface Heater Experiment in the Eleana Argillite, published in the Proceedings of the NEA Workshop on The Use of Argillaceous Materials for the Isolation of Radioactive Waste, OECD/NEA, Paris, 9/10-12/79			
00293		NVO	820400
DRAFT Nevada Nuclear Waste Storage Investigations, Project Plans (FY 1981 Project Plan & FY 1982 Forecast dtd 4/81 and FY 1982 Project Plan dtd 4/82), by Nevada Operations Office/DOE			
00695 G/H		Scott	820504
Structure and Intra-Cooling Unit Zonation in Welded Tuffs of the Unsaturated Zone, Yucca Mountain, Nevada, a Potential Nuclear Waste Repository, in Transactions, American Geophysical Union, EOS, V. 63, No. 18			
00694		Smyth	800500
Microautoradiographic Studies of the Sorption of U and Am on Natural Rock Samples, in Radioactive Waste Management, V. 1(1), pp. 1324			
00774 GEO		Smyth	820000
Zeolite Stability and Radioactive Waste Isolation in Zeolite-Bearing Volcanic Rocks from the Journal of Geology (Vol. 90), by The University of Chicago Press			
00693 G/GP		Snyder	811110
Gravity Interpretation of Yucca Mountain, Nye County, Nevada and its Implications for Southern Nevada Structure, in Transactions, American Geophysical Union, EOS, V. 62, No. 45			
00737 SP		Tyler	790200
Evaluation of Tuff as a Waste Isolation Medium, Proceedings of the Waste Management '79 Conference, Tucson, Arizona (also available as SAND79-0400)			
00236		USGS	730200
Long-Range Hydrologic Program, prepared jointly by USGS and University of Nevada System/Desert Research Institute, for AEC			

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HIGH-LEVEL WASTE SITING REPORTS**

<u>Log #/ Title</u>	<u>Report #</u>	<u>Author</u>	<u>Document Date</u>
00250 G Field Trip to Nevada Test Site, by USGSWRD		USGSWRD	710828
00565 6/S Earthquakes on and Around the Nevada Test Site, 1950-1971, by National Oceanic and Atmospheric Administration for AEC	CGS-746-12	King	710800
00807 Spent Fuel Dry Storage Technology Development: Electrically Heated Drywell Storage Test (1KW and 2KW Operation), by Westinghouse for DOE	DOE/NV/00597-2	Holder	800600
00778 Spent Fuel Dry Storage Technology Development: Fuel Temperature Measurements Under Imposed Dry Storage Conditions (1 KW PWR Spent Fuel Assembly), by Westinghouse for DOE	DOE/NV/00597-4	Unterzuber	800900
00779 Spent Fuel Dry Storage Technology Development: Thermal Evaluation of Isolated Drywells Containing Spent Fuel (1KW PWR Spent Fuel Assembly), by Westinghouse for DOE	DOE/NV/00597-5	Unterzuber	800900
00780 Spent Fuel Dry Storage Technology Development: Report of Consolidated Thermal Data, by Westinghouse for DOE	DOE/NV/00597-6	Lundberg	800900
01327 The Spent Fuel Handling and Packaging Program Demonstration at the Nevada Test Site, by Westinghouse for DOE	DOE/NV/00597-7	Bolmgren	800200
01328 Spent Fuel Handling and Packaging Program Quarterly Report, by NVO/DOE	DOE/NV/10061-2	Westinghouse	800400
00702 Commercial Waste and Spent Fuel Packaging Program, Quarterly Report for the Period 7/80 - 9/80, prepared by Westinghouse for DOE	DOE/NV/10061-4	Hakl	801000
01294 Commercial Waste And Spent Fuel Packaging Program Quarterly Report, by NVO/DOE	DOE/NV/10061-5	Westinghouse	810100
00701 Commercial Waste and Spent Fuel Packaging Program, Quarterly Report for the Period 1/81 - 3/81, prepared by Westinghouse for DOE	DOE/NV/10061-6	Hakl	810400
00715 Quality-Assurance Program Plan, Westinghouse Electric Corp., Advanced Energy Systems Division, Nevada Operations	DOE/NV/10061-7	Kettell	810500
01293 Commercial Waste and Spent-Fuel Packaging Program Quarterly Report, by NVC	DOE/NV/10061-8	Hakl	810000
00714	DOE/NV/10061-9	Hakl	811000

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HIGH-LEVEL WASTE SITING REPORTS

<u>Log #/ Title</u>	<u>Report #</u>	<u>Author</u>	<u>Document Date</u>	
Commercial Waste and Spent Fuel Packaging Program, Annual Report for Fiscal Year 1981, prepared by Westinghouse for DOE				
01322	DOE/NV/10171-1	Untertzuber	810900	
Spent-Fuel Dry-Storage-Technology Development: Thermal Evaluation Of Isolated Drywell Containing Spent Fuel (1.25-kW PWR Spent Fuel Assembly, by Westinghouse for DOE				
01323	DOE/NV/10171-3	Untertzuber	810900	
Spent Fuel Dry Storage Technology Development: Thermal Evaluation of Three Adjacent Drywells (Each Containing a 0.6 kW PWR Spent Fuel Assembly), by WESTINGHOUSE FOR DOE				
01320	DOE/NV/10250-1	Westinghouse	820100	
Commercial Nuclear Waste Research and Development Program Quarterly Report for the period October Through December 1981, by NVO				
01324	DOE/NV/10250-2	Haki	000000	
Commercial Nuclear Waste Research and Development Program Quarterly Report, January Throught March 1982, by NEVADA OPERATIONS OFFICE FOR DOE				
NOT NNWSI	00683	DOE/NWTS-33(3)	DOE	820700
	NWTS Program Criteria for Mined Geologic Disposal of Nuclear Waste, Repository Performance and Development Criteria, prepared by NWTS/Battelle for DOE (tech review sent to W. Ballard/DOE fm MJBell/NRC (Rehfeldt) 12/1/82 and tech review by RBoyle 9/16/83)			
	01270	DP-1623	Augusta	810200
Workshop on Seismic Performance of Underground Facilities, by Du Pont for DOE				
	01347	EGG 10282-2004	O'Farrell	830200
1982 Biotic Survey of Yucca Mountain, Nevada Test Site, Nye County, Nevada, by EG&G				
	01345	EGG 1183-2419	Collins	811200
Annotated Bibliography for Biologic Overview for the Nevada Nuclear waste Storage Investigations, Nevada Test Site, Nye County, NV, by EG&G				
	01346	EGG 1183-2460	Collins	820100
Biologic Overview for the Nevada Nuclear Waste Storage Investigations, Nevada Test Site, Nye County, NV, by EG&G				
	00240	ERDA-1551	Liverman	770900
Final Environmental Impact Statement, Nevada Test Site, Nye County, Nevada, by ERDA				
	01275	IAEA-SM-243/37	Otaniemi	800000
Underground Disposal of Radioactive Wastes				
	00651 G/S	JAB-00099-120	Greensfelder	801200
Probable Earthquake Ground Motion as Related to Structural Response in Las				

**NRC DIVISION OF WASTE MANAGEMENT
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<u>Log #/ Title</u>	<u>Report #</u>	<u>Author</u>	<u>Document Date</u>	
Vegas, Nevada prepared by URS/John A. Blume & Associates, Engineers for Nevada Operations Office, DOE				
00758	JAB-00099-128	Owen	800400	
Considerations for Developing Seismic Design Criteria for Nuclear Waste Storage Repositories, by URS/John A. Blume & Assoc., Engrs.				
00276 GEO	LA-UR-78-1580	Smyth	780000	
An Evaluation of the Storage of Radioactive Waste Within Silicic Pyroclastic Rocks, by LASL				
00273	LA-UR-80-1663	Sykes	801117	
Zeolites in Silicic Tuffs of the Nevada Test Site, submitted to Geological Society of America 1980 Annual Meeting, 11/20/80, by LASL for DOE, Abstract Only				
00276 GEO	LA-UR-81-1189	Smyth	810000	
Zeolite Stability and Radioactive Waste Isolation in Zeolite Bearing Volcanic Rocks, by LASL for DOE				
00336	LA-UR-81-2584	Blacic	810000	
Importance of Creep Failure of Hard Rock in the Near Field of a Nuclear Waste Repository, by LASL for DOE				
00331 GEO	LA-UR-81-3140	Rundberg	810000	
Radionuclide Migration: Laboratory Experiments With Isolated Fractures, Scientific Basis for Nuclear Waste Management, Volume 4, by LLL				
00334 GEO	LA-UR-81-3141	Erda1	811116	
Nuclide Migration Field Experiments in Tuff, G Tunnel, Nevada Test Site, submitted to International Symposium on the Scientific Basis for Nuclear Waste Management, by LLL				
00274	LA-UR-81-715	Smyth	810525	
Zeolite Stability and Radioactive Waste Isolation in Volcanic Rocks, submitted to American Geophysical Union Spring Meeting, Baltimore, MD, 5/25-29/81, by LASL for DOE, Abstract Only				
SAME AS 00743 p. 8	00337	LA-UR-9174-PR	Blacic	000000
	Effects of Long-Term Exposure of Tuffs to High-Level Nuclear Waste Repository Conditions: Preliminary Report, by LASL for DOE			
00274 GEO	LA-6877-MS	Hoffman	770700	
Radioactivity in the Underground Environment of the Cambrian Nuclear Explosion at the Nevada Test Site, by LASL for ERDA				
00346 GEO	LA-7216-MS	Wolfsberg	780400	
Sorption-Desorption Studies of Nevada Test Site, Alluvium and Leaching Studies of Nuclear Test Debris, by LASL for DOE				
00271 G	LA-7225-MS	Crowe	780400	

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Log #/ Title	Report #	Author	Document Date
Stratigraphy of the Bandelier Tuff in the Pajarito Plateau, by LASL for DOE			
00699	LA-7455-MS	Erdal	790300
Sorption-Desorption Studies on Argillite, I. Initial Studies of Strontium, Technetium, Cesium, Barium, Cerium, and Europium, prepared by LASL			
00698	LA-7456-MS	Erdal	790200
Sorption-Desorption Studies on Granite, I. Initial Studies of Strontium, Technetium, Cesium, Barium, Cerium, Europium, Uranium, Plutonium, and Americium, prepared by LASL			
00249 GEO	LA-7480-MS	Wolfsberg	790400
Sorption-Desorption Studies on Tuff, I. Initial Studies with Samples from the J13 Drill Site, Jackass Flats, Nevada, by LASL for DOE			
00342 G/GEO	LA-7563-MS	Heiken	790200
Petrology of Tuff Units from the J-13 Drill Site, Jackass Flats, Nevada, by LASL for DOE			
00703	LA-7609-MS	Thompson	790100
Applicability of Microautoradiography to Sorption Studies, prepared by LASL			
01300	LA-7900-PR	Crowe	790700
Research and Development Related to the Nevada Nuclear Waste Storage Investigations January 1-March 31, 1979, by LASL			
01326	LA-7962-MS	Smyth	790800
A Preliminary Evaluation of the Radioactive Waste Isolation Potential of the Alluvium-Filled Valleys of the Great Basin, by Los Alamos for DOE			
01301	LA-7974-PR	Wolfsberg	790800
Research and Development Related to Nevada Nuclear Waste Storage Investigations April 1-June 30, 1979, by LASL			
00343 GEO	LA-8110-MS	Vine	800100
Sorption-Desorption Studies on Tuff, II. A Continuation of Studies with Samples from Jackass Flats, Nevada and Initial Studies with Samples from Mountain, Nevada, by LASL for DOE			
00244 G/GEO	LA-8139-MS	Sykes	791100
Mineralogy and Petrology of Tuff Units from the UE25a-1 Drill Site, Mountain, Nevada, by LASL for DOE			
00345	LA-8152-PR	Crowe	791100
Research and Development Related to the Nevada Nuclear Waste Storage Investigations, 7/1/79 - 9/30/79, by LASL for DOE			
00246	LA-8309-PR	Crowe	800100
Research and Development related to the Nevada Nuclear Waste Storage Investigations, 10/1/79-12/31/79, by LASL for DOE			

NRC DIVISION OF WASTE MANAGEMENT
HIGH-LEVEL WASTE SITING REPORTS

<u>Log #/ Title</u>	<u>Report #</u>	<u>Author</u>	<u>Document Date</u>
00265 Research and Development Related to the Nevada Nuclear Waste Storage Investigations, 1/1/80 - 3/31/80, by LASL for DOE	LA-8419-PR	Crowe	801000
00310 Research and Development Related to the Nevada Nuclear Waste Storage Investigations, by LASL for DOE	LA-8471-PR	Wolfsberg	801000
00700 GEO Nuclide-Migration Field Experiments, Program Plan	LA-8487-MS	Erdal	810300
01302 Research and Development Related to the Nevada Nuclear Waste Storage Investigations July 1-September 30, 1980, by LASL	LA-8612-PR	Wolfsberg	810200
00278 Research and Development Related to the Nevada Nuclear Waste Storage Investigations, 10/1/80 - 12/31/80, by LASL for DOE	LA-8739-PR	Wolfsberg	810400
00342 GEO Sorption-Desorption Studies on Tuff, III. A Continuation of Studies with Samples from Jackass Flats and Yucca Mountain, Nevada, by LASL for DOE	LA-8747-MS	Wolfsberg	810500
00500 G/GEO Preliminary Stratigraphic and Petrologic Characterization of Core Samples from USW-G1, Yucca Mountain, Nevada, by LASL for DOE	LA-8840-MS	Waters	811100
00202 GEO Review of the Thermal Stability and Cation Exchange Properties of the Zeolite Minerals Clinoptilolite, Mordenite, and Analcime: Applications to Radioactive Waste Isolation in Silicic Tuff, by LASL for DOE (tech rev by DBrooks 12/23/81)	LA-8841-MS	Smyth	810600
00205 G/GEO Geology and Petrology of the Basalts of Crater Flat: Applications to Geologic Risk Assessment for the Nevada Nuclear Waste Storage Investigations, by LASL for DOE	LA-8845-MS	Vaniman	810600
00339 Research and Development Related to the Nevada Nuclear Waste Storage Investigations, 1/1/81 - 3/31/81, by LASL for DOE	LA-8847-PR	Erdal	810700
01296 Research and Development Related to the Nevada Nuclear Waste Storage Investigations, by Los Alamos for DOE (tech rev by KChang 4/7/82)	LA-8959-PR	Erdal	000000
00321 H Geohydrology of Bandelier Tuff, by LASL for DOE (Tech Review by POrnstein 1/11/82)	LA-8962-MS	Abeebe	811000
00712 G/GEO Research and Development Related to the Nevada Nuclear Waste Storage Investigations, by LASL for DOE	LA-9000-MS	Carroll	810000

**NRC DIVISION OF WASTE MANAGEMENT
HIGH-LEVEL WASTE SITING REPORTS**

<u>Log #/ Title</u>	<u>Report #</u>	<u>Author</u>	<u>Document Date</u>	
Further Description of the Petrology of the Topopah Spring Member of the Paintbrush Tuff in Drill Holes UE25A-1 and USW-G1 and of the Litnic-Rich Tuff in USW-G1, Yucca Mountain, Nevada, prepared by LASL				
00260 G/GEO	LA-9021-MS	Bish	811000	
Detailed Mineralogical Characterization of the Bullfrog and Tram Members in USWG1, with Emphasis on Clay Mineralogy, by LASL for DOE				
00326	LA-9095-PR	Daniels	820100	
Research and Development Related to the Nevada Nuclear Waste Storage Investigations, 7/1/81 - 9/30/81, by LASL for DOE				
AS 337 p.5	00743	LA-9174-PR	Blacic	820200
Effects of Long-Term Exposure of Tuffs to High-Level Nuclear Waste-Repository Conditions, Preliminary Report, prepared by LASL (tech rev by KChang)				
00657	LA-9179-MS	Nelson	820600	
Conceptual Design Report, Exploratory Shaft-Phase I, Nevada Nuclear Waste Storage Investigations, by LASL for DOE				
00568	LA-9225-PR	Wolfsberg	820400	
Research and Related to the Nevada Nuclear Waste Storage Investigations, October 1-December 31, 1981, by LASL for DOE				
00664 G/GEO	LA-9255-MS	Caporuscio	820700	
Petrologic Studies of Drill Cores USW-G2 and UE25b-1H, Yucca Mountain, Nevada, prepared by LASL for DOE				
01267 G/GEO	LA-9321-MS	Bish	821100	
Summary of the Mineralogy-Petrology of Tuffs of Yucca Mountain and the Secondary-Phase Thermal Stability in Tuffs, by Los Alamos for DOE				
00980	LA-9322-MS	Blacic	830100	
Methodology for Determining Time-Dependent Mechanical Properties of Tuff Subjected to Near-Field Repository Conditions				
01268 G/GEO	LA-9324-MS	Broxton	821000	
Detailed Petrographic Descriptions and Microprobe Data for Drill Holes USW-G2 and UE25b-1H, Yucca Mountain, Nevada, by LASL				
01284 G/S	LA-9325-MS	Crowe	830300	
Status of Volcanic Hazard Studies for the Nevada Nuclear Waste Storage Investigations, by Los Alamos for DOE				
00965 G/S	LA-9326-MS	Crowe	821000	
Aspects of Possible Magmatic Disruption of a High-Level Radioactive Waste Repository in Southern Nevada, by LASL				
00968	LA-9327-PR	Daniels	821000	
Research and Development Related to the Nevada Nuclear Waste Storage Investigations, by LASL				

NRC DIVISION OF WASTE MANAGEMENT
HIGH-LEVEL WASTE SITING REPORTS

Log #/ Title	Report #	Author	Document Date
01276 GEO Summary Report on the Geochemistry of Yucca Mountain and Environs, by Los Alamos for DOE	LA-9328-MS	Daniels	821200
00966 GEO The Elution of Radionuclides Through Columns of Crushed Rock From The Nevada Test Site, by LASL	LA-9329-MS	Treher	821000
00954 GEO Geochemistry Studies Pertaining to the G-Tunnel Radionuclide Migration Field Experiment, by LASL	LA-9332-MS	Norris	821100
00967 GEO Theoretical and Experimental Determination of Matrix Diffusion and Related Solute Transport Properties of Fractured Tuffs From The Nevada Test Site, by LASL	LA-9471-MS	Walter	821000
00969 Research and Development Related to the Nevada Nuclear Waste Storage Investigations (April 1 - June 30, 1982), by LASL	LA-9484-PR	Wolfsberg	821000
01286 GEO Evaluation of Geochemical Properties Used in Area-to-Location Screening for a Nuclear Waste Repository at the Nevada Test Site, by LASL	LA-9510-MS	Purson	830300
01283 Research and Development Related to the Nevada Nuclear Waste Storage Investigations, July 1-September 30, 1982, by Los Alamos for DOE	LA-9577-PR	Daniels	830300
01307 Research and Development Related to the Nevada Nuclear Waste Storage Investigations October 1-December 31, 1982, by LASL	LA-9666-PR	Ogard	830500
01315 Research and Development Related to the Nevada Nuclear Waste Storage Investigations, 1/1/83 - 3/31/83, by Los Alamos	LA-9793-PR	Wolfsberg	830600
00299 G/S Microseisms in Geothermal Exploration: Studies in Grass Valley, Nevada, by LBL for DOE	LBL-6813	Liaw	770800
00292 G/S Microseisms in Geothermal Exploration: Studies in Grass Valley, Nevada, by LBL for DOE	LBL-7002	Liaw	771100
00811 Canister Welding and Material Studies for GFY 1979, by Westinghouse for CCE	M:WPB:752	Blankenship	791100
00734 Synthetic Natural Color Landsat Photomosaic of Nevada, Miscellaneous Investigations Series, by USGS	Map I-1219	USGS	810000

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HIGH-LEVEL WASTE SITING REPORTS**

<u>Log #/ Title</u>	<u>Report #</u>	<u>Author</u>	<u>Document Date</u>
✓ 01340 Map Showing Surficial Geology of the Lathrop Wells Quadrangle, Nye County, NV, by USGS for DOE	Map I-1361	Swadley	830000
00671 G/GP Map 68 Goldfield and Mariposa Sheets, Bouguer Gravity Map of Nevada, prepared by University of Nevada Reno, Nevada Bureau of Mines and Geology, Mackay School of Mines		Healey	800000
00672 G/GP Map 69 Death Valley Sheet, Bouguer Gravity Map of Nevada, prepared by University of Nevada Reno, Nevada Bureau of Mines and Geology, Mackay School of Mines		Healey	800000
00673 G/GP Map 70 Caliente Sheet, Bouguer Gravity Map of Nevada, prepared by University of Nevada Reno, Nevada Bureau of Mines and Geology, Mackay School of Mines		Healey	810000
00674 G/GP Map 73 Tonopah Sheet, Bouguer Gravity Map of Nevada, prepared by University of Nevada Reno, Nevada Bureau of Mines and Geology, Mackay School of Mines		Healey	810000
N 00327 Operational Radioactive Defense Waste Management Plan for the Nevada Test Site, by Reynolds Electrical & Engineering Co. & DOE	NVO-185 Rev 3		810700
00252 NTS Terminal Waste Storage, Monthly Technical Status Report, by Nevada Operations Office, DOE	NVO-196-1	NVO	780331
01295 Quarterly Report Nevada Nuclear Waste Storage Investigations, by DOE FOR NEVADA OPERATIONS OFFICE	NVO-196-10	NVO	790100
01303 Quarterly Report Nevada Nuclear Waste Storage Investigations, by DOE FOR NEVADA OPERATIONS OFFICE	NVO-196-11	NVO	790900
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00796 Nevada Nuclear Waste Storage Investigations, FY 1980 Project Plan and FY 1981 Forecast, by Nevada Operations Office, DOE	NVO-196-13	NVO	800200
01311 Quarterly Report Nevada Nuclear Waste Storage Investigations, by DOE FOR NEVADA OPERATIONS OFFICE	NVO-196-14	NVO	800300
00307 Nevada Nuclear Waste Storage Investigations, Quarterly Report, 1/80	NVO-196-15	NVO	800600

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00292	NVO-196-16	NVO	800600
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00302	NVO-196-17 Rev 1	NVO	810400
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00716	NVO-196-18 Rev 1	NVO	811000
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00253	NVO-196-2	NVO	780430
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00263 GEO	NVO-196-23	NVO	810400
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00280	NVO-196-25		810600
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00340 Nevada Nuclear Waste Storage Investigations, Quarterly Report, 10/81 - 12/81, by Nevada Operations Office, DOE	NVO-196-29	NVO	820300
00254 NTS Terminal Waste Storage, Monthly Technical Status Report, by Nevada Operations Office, DOE	NVO-196-3	NVO	780531
00324 Nevada Nuclear Waste Storage Investigations, Quarterly Report, 1/82 - 3/82, by Nevada Operations Office, DOE	NVO-196-30	NVO	820600
00689 Nevada Nuclear Waste Storage Investigations, Quarterly Report, 4/82 - 6/82, by Nevada Operations Office, DOE (Tech Review by TSeamans)	NVO-196-31	NVO	820900
G1342 NV Nuc Waste Storage Investigations, Quarterly Report, Oct - Nov 1982	NVO-196-33	NVO	830800
00255 NTS Terminal Waste Storage, Monthly Technical Status Report, by Nevada Operations Office, DOE	NVO-196-4	NVO	780630
00256 NTS Terminal Waste Storage, Monthly Technical Status Report, by Nevada Operations Office, DOE	NVO-196-5	NVO	780731
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00251 Quarterly Report, Nevada Nuclear Waste Storage Investigations, October through December 1978, by Nevada Operations Office, DOE	NVO-196-8	NVO	780200
00258 Nevada Nuclear Waste Storage Investigations, FY 1979 Project Plan, by Nevada Operations Office, DOE	NVO-196-9	NVO	790300
00740 Safety Assessment Document for the Spent-Fuel Handling and Packaging Program Demonstration at the Nevada Test Site, by NVO/DOE; and Addendum A Handling HighLevel Waste (HLW) Log, dated 5/81, by NVO/DOE	NVO-198	NVO	781200
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00704 Safety Assessment Document for the Spent Reactor Fuel Calorimeter for Use in the EMAD Facility at the Nevada Test Site, prepared by DOE/NVO	NVO-219	DOE	800600
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00790 Summary and Conclusions of the NNWSI Area-to-Location Screening Activity, by Nevada Operations Office, DOE	NVO-247		820800
00944 Overview of Energy and Mineral Resources for the Nevada Nuclear Waste Storage Investigations, Nevada Test Site, Nye County, Nevada, by Reynolds Electrical and Eng. Co. for DOE/NVO	NVO-250	Bell	820900
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01258 Project Management Plan for Exploratory Shaft at Yucca Mountain, by DOE Nevada Operations Office	NVO-255	Vieth	830800
01279 Nevada Nuclear Waste Storage Investigations Site Characterization Activities, Atmospheric Aspects for Environmental Assessment of the Exploratory Shaft, by DOE	NVO-257	Bowen	830500
01280 Nevada Nuclear Waste Storage Investigations site Characterization Activities, Preliminary Atmospheric Assessment of A Nuclear Waste Repository, by DOE Nevada Operations Office	NVO-258	Bowen	830500
00570 G/S 00570 A Preliminary Seismicity Study of the Southern Nevada Region. Quarterly Report, April-June 1973, by USGS for Nevada Operations Office, AEC	NVO-474-1	Bayer	740100
01343 Lawrence Livermore Nat'l Lab, Climax Granite Field Test Facility, Publication List	NWM: SC 83-322	LLL	830900
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00241 G OF 79-235 Inventory of Granitic Masses in the State of Nevada, Open-File Report, by USGS for DOE		Spengler	790000
00250 G/GP OF 79-277 A slingram survey of the Nevada Test Site - Part of an integrated geologic-geophysical study of site evaluation for nuclear waste disposal, Open-File Report, by USGS for DOE		Flanigan	790000
00921 G/S OF 79-926 <i>G/GEO? SYS P?</i> Major-Element Geochemistry of the Silent Canyon-Black Mountain Peralkaline Volcanic Centers, Northwestern Nevada Test Site: Applications to an Assessment of Renewed Volcanism, Open-File Report, by USGS		Crowe	790000
00928 G/H OF 80-126 Borehole Geophysical Measurements for Hole UE25a-3, Nevada Test Site, Nuclear Waste Isolation Program, Open-File Report, by USGS for NVO/DOE		Daniels	800000
00927 G/GP OF 80-1263 Analysis of the Magnetic Susceptibility Well Log in Drill Hole UE25a-5, Yucca Mountain, Nevada Test Site, Open-File Report, by USGS for DOE/NVO		Hagstrum	800000
00262 G/S OF 80-357 <i>SYSTEM PERF?</i> Preliminary Assessment of the Risk of Volcanism at a Proposed Nuclear Waste Repository in the Southern Great Basin, Open-File Report, by USGS (Tech review by MPendleton & POrnstein)		Crowe	800000
00260 G/GP OF 80-466 Resistivity Sounding Investigation by the Schlumberger Method in the Syncline Ridge Area, Nevada Test Site, Nevada, Open-File Report, by USGS for DOE		Anderson	800000
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00267 OF 80-817 Bibliography of Reports by U.S. Geological Survey Personnel Pertaining to Underground Nuclear Testing and Radioactive Waste Disposal at the Nevada Test Site, and Radioactive Waste Disposal at the WIPP Site, New Mexico, 1/1/79 - 12/31/79, Open-File Report, by USGS for DOE		Glanzman	800000
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00335 G/H OF 80-929 Preliminary Interpretations of Geologic Results Obtained from Boreholes UE25a-4, 5, 6, and 7, Yucca Mountain, Nevada Test Site, Open-File Report, prepared by USGS for DOE	80-929	Spengler	800000
00329 G/H OF 80-941 Interpretation of Geophysical Well-Log Measurements in Drill Hole UE25a-1, Nevada Test Site, Radioactive Waste Program, Open-File Report, by USGS	80-941	Hagstrum	800000
00342 G OF 80-942 Geology of the Syncline Ridge Area Related to Nuclear Waste Disposal, Nevada Test Site, Nye County, Nevada, Open-File Report, by USGS for DOE	80-942	Hoover	800000
00315 H OF 80-963 Flood Potential of Topopah Wash and Tributaries, Eastern Part of Jackass Flats, Nevada Test Site, Southern Nevada, Open-File Report, by USGS for DOE	80-963	Christensen	800000
00294 G/GP OF 81-101 Preliminary Results of Gravity Investigations of the Calico Hills, Nevada Test Site, Nye County, Nevada, Open-File Report, by USGS for DOE	81-101	Snyder	810000
00284 G/S OF 81-1086 Southern Great Basin Seismological Data Report for 1980 and Preliminary Data Analysis, Open-File Report, USGS for NVO/DOE	81-1086	Rogers	810000
00330 H OF 81-1220 Temperature Effects of Varying Phase Composition During the Steady Vertical Flow of Moisture in Unsaturated Stratified Sediments, Open-File Report, by USGS for DOE	81-1220	Lachenbruch	810000
00700 G/GP OF 81-1336 Interpretation of Hole-to-Surface Resistivity Measurements at Yucca Mountain, Nevada Test Site, Open-File Report, by USGS	81-1336	Daniels	810000
00226 G/H OF 81-1337 Rock Property Analysis of Core Samples from the Calico Hills UE25a-3 Borehole, Nevada Test Site, Nevada, Open-File Report, by USGS for NVO/DOE	81-1337	Anderson	810000
00225 G/H OF 81-1338 Rock Property Analysis of Core Samples from the Yucca Mountain UE25a-1 Borehole, Nevada Test Site, Nevada, Open-File Report, by USGS for NVO/DOE	81-1338	Anderson	810000
00325 G/H OF 81-1349 Stratigraphy and Structure of Volcanic Rocks in Drill Hole USW-G1, Yucca Mountain, Nye County, Nevada, Open-File Report, by USGS for DOE	81-1349	Spengler	810000
00669 G/GP OF 81-1350 Interpreted Resistivity and IP section Line W1, Wahmonie Area, Nevada Test Site, Nevada, Open-File Report, by USGS for DOE	81-1350	Smith	810000
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00199 G/GP OF 81-980		Flanigan	810000
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00653 G/GP OF 82-145 Geophysical Studies of the Syncline Ridge Area Nevada Test Site, Nye County, Nevada, Open-File Report, by USGS for DOE	82-145	Hoover	820000
00424 G/GP OF 82-182 Interpretation of Resistivity and Induced Polarization Profiles with Severe Topographic Effects, Yucca Mountain Area, Nevada Test Site, Nevada, Open-File Report, by USGS for DOE	82-182	Smith	820000
00654 G/GP OF 82-401 Magnetometric Resistivity Survey Near Fortymile Wash, Nevada Test Site, Nevada, Open-File Report, by USGS for DOE	82-401	Fitterman	820000
00905 G/GP OF 82-409 Three-Dimensional Modeling of the Nevada Test Site and Vicinity From Teleseismic P-Wave Residuals, Open-File Report by USGS (Tech review by MPendleton)	82-409	Monfort	820000
00665 G/S OF 82-457 Volcano-Tectonic History of Crater Flat, Southwestern Nevada, as Suggested by New Evidence From Drill Hole USW-VH-1 and Vicinity, Open-File Report, by USGS for DOE	82-457	Carr	820000
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00972 G/GEO OF 82-765	82-765	Jones	000000

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00020 G/H OF 82-973 Preliminary Interpretation of Thermal Data From the Nevada Test Site, Open-File Report by USGS (Tech review by MPendleton)		sass	820000
01305 H OF 83-141 Geohydrologic and Drill-Hole Data for Test Well USW H-1, Adjacent to Nevada Test Site, Nye County, Nevada, by Open-File Report		Rush	830000
01277 G/H OF 83-321 Commercial Geophysical Well Logs From the USW G-1 Drill Hole, Nevada Test Site, Nevada, Open-File Report by USGS		Muller	830000
01286 OF 83-401 Preliminary Assessment of In-Situ Geomechanical Characteristics in Drill Hole USW G-1, Yucca Mountain, Nevada, Open-File Report		Ellis	830000
01287 OF 83-478 Bibliography of Reports by U.S. Geological Survey Personnel on Studies of Underground Nuclear Test Sites and on Waste Management Studies at the Nevada Test Site And the Waste Isolation Pilot Plant Site, New Mexico, January 1 to December 31, 1981, Open-File Report		Glanzman	830000
01340 G/S OF 83-608 Geology of Faults Exposed in Trenches in Crater Flat, Nye County, NV, Open-File Report by USGS		Swadley	830000
01285 ONWI-439 Conceptual Waste Package Designs for Disposal of Nuclear Waste in Tuff, by ONWI		Westinghouse	830400
00263 H P 712-C Hydrogeologic and Hydrochemical Framework, SouthCentral Great Basin, Nevada-California, with Special Reference to the Nevada Test Site. Geological Survey Professional Paper 712C, by USGS for AEC		Winograd	750000
01266 PNL-4452 Nuclear Waste Package Materials Testing Report: Basaltic and Tuffaceous Environments		Bradley	830300
00259 SAND78-0893 <i>NOT INCLUDED</i> Interaction of Radionuclides with Argillite from the Eleana Formation on the Nevada Test Site, by Sandia for ERDA		Dosch	790200
00311 SAND78-1147 Preliminary Thermal Expansion Screening Data for Tuffs, by Sandia for DGE		Lappin	800300
00245 SAND79-0344 Small Scale Heater Tests in Argillite of the Eleana Formation at the Nevada		McVey	791100

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Test Site, by Sandia for ERDA (Technical Review by E. Regnier)			
00706 G/S	SAND79-1002	Vortman	791100
Prediction of Ground Motion From Nuclear Weapons Tests at NTS, prepared by Sandia			
00700 H	SAND79-1197C	Iman	800900
Sensitivity Study on the Parameters of the Regional Hydrology Model for the Nevada Nuclear Waste Storage Investigations, prepared by Sandia (also referenced as CONF79-1026)			
01299 T	SAND79-1261	Bulmer	800623
Preliminary One-Dimensional Thermal Analysis of Waste Emplacement in Tuffs, by Sandia (Tech review by Quinn)			
00777	SAND79-1275C	Tyler	790600
Model Development for In Situ Test Results in Argillaceous Rock, by Sandia			
00309 T	SAND79-1276	Johnstone	800800
InSitu Tuff Water Migration/Heater Experiment: Experimental Plan, by Sandia for DOE			
00919 T	SAND79-1278	Bulmer	800200
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^{1A} 00707	SAND79-1484	Eaton	800500
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01298 G	SAND79-1539	Smith	000000
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00305	SAND79-2230	McVey	800800
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01999 H	SAND80-0201	Hadley	000000
Evaporative Water Loss From Welded Tuff, by SANDIA FOR DOE			
00696 GEO	SAND80-0457	Erickson	810200
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01335	SAND80-0769	Lappin	800700
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01334 A Material Constitutive Model for Jointed Rock Mass Behavior, by Sandia	SAND80-1418	Thomas	000000
00266 Rock Mechanics Properties of Volcanic Tuffs From the Nevada Test Site, by Sandia for DOE	SAND80-1453	Olsson	801100
00296 T Evaluation of Tuff as a Medium for a Nuclear Waste Repository: Interim Status Report on the Properties of Tuff, by Sandia for DOE	SAND80-1464	Johnstone	800700
00827 Thermal/Mechanical Modeling for a Tuff Repository, by Sandia 00279	SAND80-1625C	Tyler	800800
Eleana Near-Surface Heater Experiment Final Report, by Sandia for DOE	SAND80-2137	Lappin	810400
01209 T Thermal Analysis of Nuclear-Waste Emplacement in Welded Tuff, by Sandia (Tech review by TSeamans)	SAND80-2639	Langkopf	811200
01292 Frictional Properties of Jointed Welded Tuff, by Sandia	SAND81-0212	Teufel	810000
00709 G/S A Comparison of Ground Motion From Earthquakes and Underground Nuclear Weapons Tests at NTS, prepared by Sandia (also referenced as DP1623, Proceedings of Workshop on Seismic Performance of Underground Facilities, 2/11-13/81, Augusta, GA)	SAND81-0501C	Vortman	820100
00660 Thermomechanical Scoping Calculations for a High-Level Nuclear Waste Repository in Tuff, prepared by Sandia (Tech review by TSeamans)	SAND81-0629	Johnson	811000
01301 T In-Situ Tuff Water Migration/Heater Experiment: Instrumentation Design and Fielding, by SANDIA FOR DOE	SAND81-1058	Waymire	820400
00277 T In Situ Tuff Water Migration/Heater Experiment: The Data Acquisition and Playback System, by Sandia for DOE (Technical Review by P. Ornstein)	SAND81-1059	Waymire	811000
01290 GEO Preliminary Transport Analyses for Design of the Tuff Radionuclide-Migration Field Experiment, by SANDIA FOR DOE	SAND81-1253	Erickson	811023
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00344	SAND81-1664	Olsson	820200
Effects of Elevated Temperature and Pore Pressure on the Mechanical Behavior of Bullfrog Tuff, prepared by Sandia			
00942	SAND81-1768	Zimmerman	821000
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00684	SAND81-1841	Blanford	820100
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01316	SAND81-1874	Hanson	810900
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00741	SAND81-1897	Langkopf	820200
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01500 G/GEO	SAND81-1970	Connolly	830400
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00826	SAND81-1971	Zimmerman	820500
Geotechnical Field Measurements G-Tunnel Nevada Test Site, by Sandia for DOE			
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01336	SAND81-2421C	Johnstone	000000
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00000 H	SAND81-2584	Rechard	820100
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01282	SAND81-7206	Svalstad	830100
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00605 T	SAND81-7209	Klasi	820100

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Far-Field Thermal Analysis of a Spent Fuel Repository in Tuff, prepared by RE/SPEC, Inc., for Sandia for DOE			
00606 T	SAND81-7210	Klasi	820700
Far-Field Thermal Analysis of a High Level Waste Repository, prepared by RE/SPEC, Inc., for Sandia for DOE			
01318	SAND82-0109	Moss	820000
Measurement of Thermal Conductivity By the Comparative Method, by SANDIA FOR DOE			
00865 T	SAND82-0170	Johnson	821000
Thermal Analyses for a Nuclear Waste Repository in Tuff Using USWGI Borehole Data, by Sandia for DOE (Tech review by TSeamans)			
00639 G/S	SAND82-0174	Vortman	820500
Effects of Repository Depth on Ground Motion The Pahute Mesa Data, by Sandia for DOE			
00776	SAND82-0362A	Zimmerman	820400
Instrumentation and Monitoring Requirements for a Potential Test and Evaluation Facility in Nevada, by Sandia			
00600 SP	SAND82-0426	Hunter	820500
Preliminary Scenarios for Consequence Assessments of Radioactive-Waste Repositories at the Nevada Test Site, prepared by Sandia for DOE (Tech review by POrnstein)			
00658	SAND82-0481	Price	820400
Uniaxial Compression Test Series on Bullfrog Tuff, prepared by Sandia			
00775	SAND82-0620A	Price	820500
Uniaxial Compression of Volcanic Tuff presented at AGU Spring Meeting, by Sandia			
01329	SAND82-0655	Olsson	000000
A Translating Slip Condition for a Jointed Rock Mass, by			
00659	SAND82-1055	Price	820600
Uniaxial Compression Test Series on Tram Tuff, prepared by Sandia			
00953 T	SAND82-1164	Moss	821100
The Effects of Composition, Porosity, Bedding Plane Orientation, Water Content and a Joint on the Thermal Conductivity of Tuff, by Sandia (Tech review by POrnstein)			
01262 SP	SAND82-1277	Hunter	830300
Scenarios for Consequence Assessments of Radioactive-Waste Repositories at Yucca Mountain, Nevada Test Site, by SANDIA DOE			
00872	SAND82-1314	Price	821000

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Uniaxial and Triaxial Compression Test Series on Calico Hills Tuff, by Sandia for DOE			
01259 Analysis of Rock Mechanics Properties of Volcanic Tuff Units from Yucca Mountain, Nevada Test Site, by Sandia for DOE (Tech review by TSeamans)	SAND82-1315	Price	830800
00952 G/S Effects of Ground Motion on Repository Depth The Yucca Flat Data	SAND82-1647	Vortman	821200
00877 Uniaxial and Triaxial Compression Test Series on Topopah Spring Tuff, by Sandia for DOE	SAND82-1723	Price	821000
00885 G Geology of the Nevada Test Site and Nearby Areas, Southern Nevada, by Sandia (Tech review by MPendleton)	SAND82-2207	Sinnock	821000
01332 Bibliography with Abstracts of Geological Literature Pertaining to Southern Nevada with Particular Reference to the Nevada Test Site, by SANDIA FOR DOE	SAND82-2212	Connolly	830500
01278 G/GEO Empirically Determined Uncertainty in Potassium-Argon Ages for Plio-Pleistocene Basalts from Crater Flat, Nye County, Nevada, by SANDIA for DOE	SAND82-2441	Sinnock	830400
01297 T Thermal Response to Emplacement of Nuclear Waste in Long, Horizontal Boreholes, by SANDIA FOR DOE	SAND82-2497	Peters	830400
01288 H SAGUARO-A Finite Element Computer Program for Partially Saturated Porous Flow Problems, by SANDIA for DOE	SAND82-2772	Eaton	830600
01262 H Hydrology of Sealing a Repository in Saturated Tuff, by Sandia (Tech review by JRhoderick)	SAND83-0280	Mondy	830300
01304 GEO Radionuclide Transport Code Development in Support of Nuclear Waste Storage Investigations, by SANDIA FOR DOE	SAND83-0660	Martinez	830700
01341 Comparison of Waste Emplacement Configurations for a Nuclear Waste Repository in Tuff, II. Ventilation Analysis, by Sandia	SAND83-0678	Hickox	830800
0131 T Comparison of Waste Emplacement Configurations for a Nuclear Waste Repository, in Tuff, IV. Thermo-Hydrological Analysis, by Sandia for DOE	SAND83-0757	Mondy	830800

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00205 G Geology of Jackass Flats Quadrangle, Nevada Test Site, Nevada, by USGS for AEC	TEI-843	McKay	631200
00823 Instrumentation Program for Rock Mechanics and Spent Fuel Tests at the Nevada Test Site, by Terra Tek, Inc., for LLL	TR78-48	Pratt	780800
01273 Preliminary Report on Radiation-Induced Thermoluminescence in Climax Stock Quartz Monzonite, by LLL	UCID-19229	Carlson	811100
00338 Technical Concept for Rock Mechanics Tests, Climax Granite, NTS, prepared by LLL for DOE	UCID-18009	Hearst	790200
01319 Climax Granite Test Results, by LLL	UCID-18502	Ramspott	800000
M 00711 Stressmeter Placement at Spent Fuel Test in Climax Granite, prepared by LLL	UCID-18629	Ahey	800520
00298 Program Plan: Field Radionuclide Migration Studies in Climax Granite, by LLL for DOE	UCID-18838	Isherwood	801101
00757 Finite-Element Calculations of Near-Field Transient Horizontal Temperature and Thermal Stress Distributions for the Climax Granite Nuclear Spent-Fuel-Storage Experiment, by LLL	UCID-18840	Greenlaw	800300
00288 The Climax Granite, Nevada Test Site, as a Host for a Rock Mechanics Test Facility Related to the Geologic Disposal of HighLevel Nuclear Wastes, by LLL for DOE	UCID-18946	Heuze	810200
00713 Fracture Mapping for Radionuclide Migration Studies in Climax Granite, prepared by LLL	UCID-19081	Thorpe	810500
00781 Scoping Analysis for Radionuclide Migration Test, by LLL	UCID-19369	Morrison	820100
00752 Hydrologic Test System for Fracture Flow Studies in Crystalline Rock, by LLL	UCID-19405	Raber	820505
00982 Drilling-Induced Borehole-wall Damage at Spent Fuel Test-Climax, by LLL	UCID-19672	Weed	821200
01312 A Preliminary Evaluation of 30 Potential Granite Rock Sites for a Radioactive Waste Storage Facility in Southern Nevada, by LLL	UCRL-13933	Boardman	780215

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01309 Instrument Selection, Installation, and Analysis of Data for the Spent Fuel Mine-By, Nevada Test Site, Climax Stock, by LLL	UCRL-15076	Schrauf	790700
00270 <i>G/S</i> Seismic Hazard Analysis for the NTS Spent Reactor Fuel Test Site, Chapter 2.0 Geology and Seismicity, by LLL for DOE	UCRL-15260	Campbell	800502
00705 Waste-Isolation Projects, FY 1978, prepared by LLL	UCRL-50050-78		790112
J0248 Technical Concept for a Test of Geologic Storage of Spent Reactor Fuel in the Climax Granite, Nevada Test Site, by LLL	UCRL-52796	Ramsport	790615
00314 <i>H</i> Summary of Measured Medium Properties of Paleozoic Rocks at the DOE Nevada Test Site, by LLL for DOE	UCRL-52884	McKague	800102
00309 Mechanical and Thermomechanical Calculations Related to the Storage of Spent Nuclear Fuel Assemblies in Granite, by LLL for DOE	UCRL-52985	Butkovich	800500
00297 Spent Fuel Test--Climax: Technical Measurements Interim Report, FY 1980, by LLL for DOE	UCRL-53064	Carlson	801201
00207 <i>H</i> Water Contents of Samples from the Nevada Test Site: Total, Free (Natural State to 105°C), and More Tightly Bonded (105700°C), by LLL	UCRL-53130	Pawloski	810500
00347 Geohydrology of the Climax Stock Granite and Surrounding Rock Formations, NTS, by LLL for DOE	UCRL-53138	Murray	810500
^u 00697 Radiation Dose Calculations for Geologic Media Around Spent-Fuel Emplacement Holes in the Climax Granite, Nevada Test Site, prepared by LLL	UCRL-53159	Wilcox	810527
00730 <i>S/P</i> A Model for Calculating Shock Loading and Release Paths for Multicomponent Geologic Media, prepared by LLL	UCRL-53178	Butkovich	810700
00269 AsBuilt Mechanical and Thermomechanical Calculations of a Spent Fuel Test Climax Stock Granite, by LLL for DOE	UCRL-53198	Butkovich	810900
01264 Fracture Mapping at the Spent Fuel Test-Climax, by LLL	UCRL-53201	Wilder	830500
01313 Fracture Mapping at the Spent Fuel Test-Climax, by LLL	UCRL-53227	Patrick	811000

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01314 SP "Stop": A Fast Procedure for the Exact Computation of the Performance of Complex Probabilistic Systems, by LLL	UCRL-53230	Corynen	820100
00340 G/S Dating Fault Associated Quarternary Material From the Nevada Test Site Using Uranium Series Methods, by LLL for DOE	UCRL-53231	Knauss	810900
01325 Instrumentation Report 1: Specification, Design, Calibration, and Installation of Instrumentation for an Experimental, High-Level, Nuclear Waste Storage Facility, by LLL	UCRL-53248	Brough	820100
01274 Instrumentation Report No. 2: Identification, Evaluation, and Remedial Actions Related to Transducer Failures at the Spent Fuel Test-Climax, by LLL	UCRL-53251	Patrick	811130
00349 Engineering Test Plan for Field Radionuclide Migration Experiments in Climax Granite, by LLL for DOE	UCRL-53286	Isherwood	820501
00866 Spent Fuel Test-Climax: Technical Measurements Interim Report Fiscal Year 1981, by LLL for DOE	UCRL-53294	Patrick	820400
00830 Spent Fuel TestClimax Data Acquisition System Integration Report, by LLL	UCRL-53304	Nyholm	820600
00792 Laboratory Studies of Radionuclide Transport in Fractured Climax Granite, LLL	UCRL-53308	Failor	820600
00754 Characterization of Climax Granite Ground Water, by LLL	UCRL-53309	Isherwood	820800
00970 The Effects of Boundary Conditions On Thermomechanical Calculations. Fuel Test - Climax, by LLL (Tech review by TSeamans)	UCRL-53338	Butkovich	821000
00929 Comparison of Measured and Calculated Radiation Doses in Granite Area Emplacement Holes in the Spent Fuel Test--Climax, Nevada Test Site, by LLL	UCRL-53341	Konynenburg	821100
00930 Thermal Properties of Climax Stock Quartz Monzonite to 523 K and 50 MPa Confining Pressure, by LLL	UCRL-53349	Durham	821200
00983 Thermal Properties of Climax Stock Quartz Monzonite to 523 K and 50 MPa Confining Pressure, by LLL	UCRL-53367	Ballou	820100

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01260 Thermal and Thermomechanical Calculations of Deep-Rock Nuclear Waste Disposal with the Enhanced SANGRE Code, by LLL	UCRL-53394	Heuze	830300
01344 GEO 01344 Reaction of Bullfrog Tuff with J-13 Well Water at 90°C and 150°C, by LLNL	UCRL-53442	Oversby	830915
00299 Thermal Analysis for a Spent Reactor Fuel Storage Test in Granite, by LLL for DOE	UCRL-83995	Montan	800900
¹ 01271 Status of LLNL Tranite Projects, by LLL	UCRL-84613	Ramspott	800700
00289 ¹⁰⁶ Ru Migration in a Deep Tuffaceous Alluvium Aquifer, Nevada Test Site, by LLL for DOE	UCRL-85320	Coles	810205
00806 Status Report on the Spent Fuel Test-Climax, A Test of Geologic Storage of High-Level Waste in Granite, by LLL	UCRL-85516	Ramspott	810100
00290 An Analysis of the Mine-By Experiment, Climax Granite, Nevada Test Site, by LLL for DOE	UCRL-85622	Heuze	810300
00291 Geomechanics of the Climax Mine, Nevada Test Site, by LLL for DOE	UCRL-85768	Heuze	810300
00756 Near-Field Heat Transfer at the Spent Fuel Test-Climax: A Comparison of Measurements and Calculations, by LLL	UCRL-86043	Patrick	810821
00832 Laboratory Measurements of Ultralow Permeability of Geologic Materials, published in Review of Scientific Instruments, by LLL	UCRL-86722	Trimmer	820415
00987 The Effect of Gamma Irradiation on The Strength of Climax Stock Quartz Monzonite	UCRL-87475	Durham	820331
00833 The Sorption of Selected Radionuclides on Various Metal and Polymeric Materials, prepared for Radioactive Waste Management Journal, by LLL	UCRL-87653	Raber	820315
00230 G/H 00230 Geology and Lithologic Log for Drill Hole UE17a, Nevada Test Site, by LLL for DOE	USGS-1543-1	Hodson	781000

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00645 G/H Geology of the UE17e Drill Hole, Area 17, Nevada Test Site, by USGS for DOE	USGS-1543-2	Hodson	790300
00247 H Summary of Hydraulic Tests and Hydrologic Data for Holes UE16d and UE16f, Syncline Ridge Area, Nevada Test Site, Open-File Report, by USGS for DOE	USGS-1543-3	Dinwiddie	790900
00243 H Geohydrology of Hole UE-17a, Syncline Ridge Area, Nevada Test Site, by USGS for DOE	USGS-1543-4	Weir	791200
00644 G/H Preliminary Geologic and Geophysical Data of the UE25a-3 Exploratory Drill Hole, Nevada Test Site, Nevada, by USGS for DOE	USGS-1543-6	Maldonado	790900
00569 Vela Uniform Program, Sterling Event, Analysis of Aquifer Response for the Sterling Event Tatum Dome, Lamar County, Mississippi, by USGS	VUF-1042	Dudley	730500
00809 Seismic Test Report of the Canister Assembly and Storage Configuration for the CY 1978 Spent Fuel Handling and Packaging Program Demonstration at the Nevada Test Site, by Westinghouse	WAES-TME-2906	Kurasch	780600
00810 Electrically Heated Soil Temperature Test, Final Report, by Westinghouse for DOE	WAES-TME-2961	Westinghouse	790900
00237 Environmental Statement, Underground Nuclear Testing Program, Nevada Test Site, by AEC	WASH-1526	Hollingsworth	730400
00812 Commercial Waste and Spent Fuel Packaging Program Thermal Interaction and Nominal 2KW Drywell Experiment, by Westinghouse for DOE	WI:JBW:80-202	Sherba	800700
00814 Commercial Waste and Spent Fuel Packaging Program Ultrasonic Weld Inspection System Design Status Report, by Westinghouse for DOE	WI:JBW:80-240	Schmitt	800900
00815 Commercial Waste & Spent Fuel Packaging Program, Gas Sampling of Spent Fuel Storage Canisters, Final Report, by Westinghouse for DOE	WI:JBW:80-252	Cross	800900
00816 Commercial Waste and Spent Fuel Packaging Program: Electrically Heated Drywell Storage Cell Test 3.0 KW Operation Status Report, by Westinghouse for DOE	WI:JBW:80-255	Unterzuber	800900
00817 Commercial Waste and Spent Fuel Packaging Program, High-Level Waste Form	WI:JBW:80-256	Moran	800900

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Package Adaptor Conceptual Design Report, by Westinghouse for DOE			
00813	WI:JBW:80-261	Kurasch	800900
Dry Storage Technology Development Program Survey of Existing Experience, by Westinghouse for DOE			
00736	Y/OWI-9	Zerby	780400
National Waste Terminal Storage Program Progress Report for Period 10/1/76 - 9/30/77 (one section entitled Eleana Argillite - Nevada Test Site by A.R. Lappin & J.F. Cuderman, Sandia), by UCC/OWI for DOE			
01260 <i>H</i>	82-4085	USGS	820000
Two-Dimensional, Steady-State Model of Ground-Water Flow, Nevada Test Site and Vicinity, Nevada-California, USGS Water-Resources Investigations 82-4085, by USGS for DOE			

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00235	TEI-843	McKay	631200
Geology of Jackass Flats Quadrangle, Nevada Test Site, Nevada, by USGS for AEC			
00239		Lipman	660000
A Compositionally Zoned Ash-Flow Sheet in Southern Nevada, Geological Survey Professional Paper 524-F, by USGS for AEC			
00238		USGSWRD	710828
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00322	OF 76-313	USGS	760000
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00231	LA-7225-MS	Crowe	780400
Stratigraphy of the Bandelier Tuff in the Pajarito Plateau, by LASL for DOE			
00241	OF 79-235	Spengler	790000
Inventory of Granitic Masses in the State of Nevada, Open-File Report, by USGS for DOE			
01298	SAND79-1539	Smith	000000
Preliminary Survey of tuff Distribution in Esmeraldas, Nye, and Lincoln Counties, Nevada, by SANDIA FOR DOE			
00242	OF 80-942	Hoover	800000
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00316	OF 81-156	Maldonado	810000
Geology of the Twinridge Pluton Area, Nevada Test Site, Nevada, Open-File Report, by USGS for DOE			
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Correlation Characteristics of Surficial Deposits with a Description of Surficial Stratigraphy in the Nevada Test Site Region, Open-File Report, by USGS for DOE			
* 00829	SAND82-2207	Sinnock	821000
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01340	Map I-1361	Swadley	830000
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00250	OF 79-277	Flanigan	790000
A slingram survey of the Nevada Test Site - Part of an integrated geologic-geophysical study of site evaluation for nuclear waste disposal, Open-File Report, by USGS for DOE			
00268	OF 80-466	Anderson	800000
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00318		Hadsell	801105
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00671	Map 68	Healey	800000
Goldfield and Mariposa Sheets, Bouguer Gravity Map of Nevada, prepared by University of Nevada Reno, Nevada Bureau of Mines and Geology, Mackay School of Mines			
00672	Map 69	Healey	800000
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00199	OF 81-980	Flanigan	810000
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00281	OF 81-522	Ponce	810000
Preliminary Gravity Investigations of the Wahmonie Site, Nevada Test Site, Nye County, Nevada, Open-File Report, by USGS for DOE			
00286	OF 81-189	Kane	810000
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00294	OF 81-101	Snyder	810000
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Magnetometric Resistivity Survey Near Fortymile Wash, Nevada Test Site, Nevada, Open-File Report, by USGS for DOE			
* 00655	OF 82-465	Furgerson	820000
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Magnetic Properties of Drill Core and Surface Samples from the Calico Hills Area, Nye County, Nevada, Open-File Report, by USGS for DOE			
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00570 NVO-474-1 Bayer 740100
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00691 JAB-00099-120 Greensfelder 801200
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01284	LA-9325-MS	Crowe	830300
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