

**MINUTES OF THE MEETING
OF THE
NEVADA LEGISLATURE'S COMMITTEE ON
HIGH-LEVEL RADIOACTIVE WASTE**

(*Nevada Revised Statutes 459.0085*)

March 10 and 11, 1998

Las Vegas, Nevada

The second meeting of the Nevada Legislature's Committee on High-Level Radioactive Waste (HLRW) (*Nevada Revised Statutes* [NRS] 459.0085) for the 1997-1998 interim was held on Tuesday, March 10, 1998, and Wednesday, March 11, 1998, commencing at 6:30 a.m. and 9:30 a.m., respectively, in Las Vegas. The first day of the meeting consisted of a tour of the Yucca Mountain facility by the United States Department of Energy (DOE). The second segment was held in Room 4412 of the Grant Sawyer State Office Building, 555 East Washington Avenue, Las Vegas, Nevada.

Pages 3, 4, and 5 contain the "Meeting Notice and Agenda."

March 10, 1998

COMMITTEE MEMBERS PRESENT:

Assemblyman Robert E. (Bob) Price, Chairman

Senator Mike McGinness, Vice Chairman

Senator Lawrence E. Jacobsen

Senator Bill R. O'Donnell

Senator Raymond C. Shaffer

COMMITTEE MEMBERS ABSENT:

Assemblyman Patrick T. Hickey

Assemblyman John J. Lee

Assemblyman Harry Mortenson

LEGISLATIVE COUNSEL BUREAU STAFF PRESENT:

John L. Meder, Senior Research Analyst

Steven J. Coburn, Senior Deputy Legislative Counsel

Nenita R. Wasserman, Senior Research Secretary

March 11, 1997

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Assemblyman Bob Price, Chairman

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MEETING NOTICE AND AGENDA

Name of Organization: Nevada Legislature's Committee on High-Level Radioactive Waste

(Nevada Revised Statutes 459.0085)

Dates and Times of Tuesday, March 10, 1998

Tour and Meetings: 6:30 a.m.

Yucca Mountain Science Center

4101B Meadows Lane

Las Vegas, Nevada

and

Wednesday, March 11, 1998

9:30 a.m.

Grant Sawyer State Office Building, Room 4412

555 East Washington Avenue

Las Vegas, Nevada

Note: On March 11, 1998, some members of the committee may be attending the meeting and other persons may observe the meeting and provide testimony, through a simultaneous video conference conducted at the following location:

Legislative Building
Room 4100
401 South Carson Street
Carson City, Nevada

A G E N D A

March 10, 1998 - Tour of Yucca Mountain Project by United States Department of Energy Staff

Note: Any person wishing to accompany the tour must obtain a badge from the United States Department of Energy's (DOE) Yucca Mountain Project Office (YMPO) to enter the Nevada Test Site. Please contact Charlie Germack of the YMPO at 702/794-1339 by March 1, 1998. Be prepared to provide the following information: full name, date and place of birth, Social Security number, and the date and name of the tour.

March 11, 1998

I. Opening Remarks and Introductions by the Chairman.

Assemblyman Bob Price

*II. Approval of Meeting Minutes of December 4 and 5, 1996, and November 3 and 4, 1997, meetings.

III. Reports to Committee.

1. Update on Status of the Radioactive Waste Program by the United States Department of Energy. Topics to Include:

1. The underground and surface scientific studies relating to the Yucca Mountain Site Characterization project.

1. The elements, progress, and schedule of the Viability Assessment Report.
2. The Yucca Mountain Environmental Impact Statement.
3. The proposal to implement the Notice of Waste Acceptance, Storage, and Transportation Services. (Market Driven-Approach)

B. Update on the Nevada Agency for Nuclear Projects' (NANP) Activities by Agency Staff. Topics to Include:

1. Overview of State's scientific studies and other oversight efforts.
2. Status of legal actions involving the state or being monitored by the NANP.
3. Other nuclear waste programs.
 - a. Shipments of foreign reactor nuclear waste.
 - b. Low-level radioactive waste shipments to the Nevada Test Site.

C. Update on the U.S. Nuclear Regulatory Commission relating to the Yucca Mountain Project.

D. Update on Oversight Activities of the Affected Units of Local Governments.

E. Update on National Conference of State Legislatures - High-Level Radioactive Waste Interim Storage and Transportation Working Group.

IV. Public Testimony.

V. Comments and Discussion by Committee Members.

VI. Adjournment.

*Denotes items on which the committee may take action.

Note: We are pleased to make reasonable accommodations for members of the public who are disabled and wish to attend the meeting. If special arrangements for the meeting are necessary, please notify the Research Division of the Legislative Counsel Bureau, in writing, at the Legislative Building, Capitol Complex, Carson City, Nevada 89701-4747, or call Nenita Wasserman, at 684-6825, as soon as possible.

Notice of this meeting was posted in the following Carson City, Nevada, locations: Blasdel Building, 209 East Musser Street; Capitol Press Corps, Basement, Capitol Building; Carson City Courthouse, 198 North Carson Street; Legislative Building, Room 1214, 401 South Carson Street; and Nevada State Library, 100 Stewart Street. Notice of this meeting was faxed for posting to the following Las Vegas, Nevada, locations: Grant Sawyer State Office Building, 555 East Washington Avenue; Clark County Office, 500 South Grand Central Parkway.

MARCH 10, 1998

TOUR OF YUCCA MOUNTAIN PROJECT BY

UNITED STATES DEPARTMENT OF ENERGY STAFF

Note: Any person wishing to accompany the tour must obtain a badge from the United States Department of Energy's (DOE) Yucca Mountain Project Office (YMPO) to enter the Nevada Test Site. Please contact Charlie Germack of the YMPO at 702/794-1339 by March 1, 1998. Be prepared to provide the following information: full name, date and place of birth, Social Security number, and the date and name of the tour.

Members of the Committee on High-Level Radioactive Waste and other interested participants gathered at the Yucca Mountain Science Center in Las Vegas to receive security badges and tunnel safety training prior to the trip to Yucca Mountain.

During the trip to the Field Operations Center at the Yucca Mountain site, a brief overview of the geology of the outlying areas was given by John H. Peck, Consulting Geologist for the DOE, Las Vegas. The committee was able to see some of the features of the natural system which is Yucca Mountain itself, a ridge line in a remote area in a desert environment in an isolated hydrologic basin. The Committee entered the Exploratory Science Facility (ESF) at the south portal and while in the tunnel were able to observe the thermal testing experiment in Alcove 5.

MARCH 11, 1998

OPENING REMARKS AND INTRODUCTIONS BY THE CHAIRMAN

Chairman Price welcomed everyone and called the meeting to order at 9:30 a.m.

APPROVAL OF MEETING MINUTES OF DECEMBER 4 and 5, 1996, AND NOVEMBER 3 and 4, 1997, MEETINGS.

Mr. Mortenson submitted an addendum to the November 3 and 4, 1997 meeting minutes which is Exhibit A.

SENATOR JACOBSON MOVED FOR APPROVAL OF THE MEETING MINUTES FOR DECEMBER 4-5, 1996 AND NOVEMBER 3-4, 1997 INCLUDING THE ADDENDUM SUBMITTED BY MR. MORTENSON FOR THE NOVEMBER 3-4, 1997 MEETING. THE MOTION WAS SECONDED BY SENATOR SHAFFER AND CARRIED UNANIMOUSLY.

REPORTS TO COMMITTEE

UPDATE ON STATUS OF THE RADIOACTIVE WASTE PROGRAM BY THE UNITED STATES DEPARTMENT OF ENERGY

J. Russell Dyer, Ph.D.

J. Russell Dyer, Ph.D., Acting Project Manager, DOE Yucca Mountain Site Characterization Office, gave a slide presentation concerning the activities at the Yucca Mountain Site Characterization Program, the Viability Assessment Report (VAR), the Environmental Impact Statement (EIS), and the Request for Proposal (RFP) for the Market-Driven Transportation Program. A hard copy of the slide presentation is Exhibit B.

The Underground and Surface Scientific Studies Relating to the Yucca Mountain Site Characterization Project

Dr. Dyer explained that if all the studies of supporting activities such as the EIS, license application, site recommendation, and VAR turned out to be positive, the end result would be an operating high-level nuclear waste repository at Yucca Mountain in the year 2010. He reviewed science and engineering accomplishments by the DOE Yucca Mountain Site Characterization Office which included:

- A large block experiment and drift-scale heater test pictured in Exhibit B.
- A draft reference design document which provided a detailed concept for operations for a repository and what a repository would look like.
- An effort to conduct systematic studies with repository block.
- An unsaturated zone transport test at Busted Butte of Yucca Mountain which focused on the properties and processes that impact the flow of water and the transport of any released radionuclides within the saturated zone in the Yucca Mountain area.

The Elements, Progress, and Schedule of the Viability Assessment Report

Concerning the VAR, Dr. Dyer stated that the:

- DOE is maintaining momentum on the completion of the Yucca Mountain report to help determine whether that site will be suitable for a permanent repository.

- Report was dictated by the United States Congress and will allow an informed decision on what to do strategically on a national scale regarding radioactive waste in general.
- VAR is designed to be an assessment of the viability of continuing with actions leading to the licensing of a repository.

Continuing his presentation, Dr. Dyer reviewed the four technical components of the VAR which are more specifically detailed in Exhibit B:

- A preliminary design concept for the critical elements of the repository and waste package.
- A total system performance assessment based upon the design concept and scientific data.
- A plan and cost estimate for the remaining work required to complete a license application.
- An estimate of the costs to construct and operate the repository in accordance with the design concept.

Dr. Dyer testified that the license application plan and cost estimate will:

- Identify the actions required and remaining work needed to develop a license application by the year 2002.
- Explain why the planned work is necessary and sufficient.
- Identify performance uncertainties that need additional information.
- Describe the performance confirmation plan that will continue during repository construction and operation.

The Yucca Mountain Environmental Impact Statement

Following the VAR, Dr. Dyer noted the DOE's efforts will turn to the preparation of the draft EIS in 1999 and, if appropriate, the potential site recommendation in 2001. Aspects of the EIS described by Dr. Dyer included the following topics:

- Studies of possible repository inventory modules which use the basis of 70,000 metric tons of heavy metal (MTHM) as outlined in the Nuclear Waste Policy Act (NWPA) of 1982 (42 *United States Code* 10101 *et seq.*), as amended.
- Several options concerning the transportation of high-level radioactive waste in Nevada include: (1) potential rail corridors to the repository, (2) possibility of rail use to an intermodal facility, then truck or heavy haul to transport; and (3) legal weight limit on truck shipments.
- Two options regarding the national transportation of high-level radioactive waste include: (1) truck transportation to the repository; and (2) mostly rail transportation to the repository.
- The draft EIS report will be released in Fiscal Year 1999 for public comment.

The Proposal to Implement the Notice of Waste Acceptance, Storage, and Transportation Services (Market-Driven Approach)

Dr. Dyer testified that the radioactive waste management system must perform storage on site at reactors, waste acceptance, and transportation. He discussed the three phases for the market-driven approach for transportation services which included: (1) acceptance, (2) storage and transportation services; and (3) public comment.

In response to questions posed by committee members, Dr. Dyer stated that at the present time:

- An environmental protection standard for radiation exposure is not in place but there is a level of radiation dose that is acceptable.
- Low dose levels of radiation exposure have been an area of intensive study for decades.
- The Busted Butte testing facility will not be conducting specific studies regarding the radioactive carbon dioxide carbon 14 which might penetrate through the geology.
- A design of the high-level waste package will be presented at the time of the license application but would still be subject to change.
- The United States' high-level waste technology is ahead of any other country in the world.
- A variety of information is provided on the Internet at Office of Civilian Radioactive Waste Management homepage at <http://www.ru.doe.gov>.

UPDATE ON THE NEVADA AGENCY FOR NUCLEAR PROJECTS' ACTIVITIES BY AGENCY STAFF

Status of Legal Actions Involving the State or Being Monitored by the Nevada's Agency for Nuclear Projects

Robert R. Loux

Mr. Loux, Executive Director, Nevada's Agency for Nuclear Projects (NANP), covered the following topics:

- In September 1996, Nevada's Attorney General filed a lawsuit in the U.S. Ninth Circuit Court of Appeals in San Francisco, California. This lawsuit was an attempt to force the DOE to release Fiscal Year 1996 funds that were withheld without statutory authority to the NANP. Nevada contends that, since Congress did not prohibit the DOE from providing oversight funds in Fiscal Year 1996 and did not change the provisions of the NWPA requiring such assistance, DOE acted illegally in withholding the funds.
- On January 11, 1998, a negative decision was received from the Ninth U.S. Circuit Court of Appeals which upheld the DOE's decision in not funding the NANP. A motion has been filed for reconsideration of that decision.
- During the June 1998 meeting of the Nevada Legislature's Interim Finance Committee (IFC), the NANP plans to request \$1.8 million in state funding for the next fiscal year.
- Favorable comments were received from the Legislative Auditor, Audit Division of the LCB, regarding the NANP's six-month corrective action plan is in response to a previous audit.

Overview of State's Scientific Studies and Other Oversight Efforts

Continuing his presentation, Mr. Loux covered the following topics:

- In the technical arena, the NANP's activities have been severely curtailed due to a lack of funding.
- The NANP maintains three major contracts. One of the contracts provides a review of the DOE's Total System Performance Assessment that will be part of the VAR.
- Interaction, participation, and presentations are maintained by the NANP before the Nuclear Waste Technical Review Board, United States Nuclear Regulatory Commission (NRC), and DOE.
- On-site representatives continue to observe the heater tests, the East/West Tunnel and other various scientific activities at Yucca Mountain.
- A review of the cost aspects of the VAR is underway.

- Comments regarding the EIS were submitted to the DOE.
- The NANP continues to review the transportation campaign for highway and rail low-level radioactive waste shipments to the Nevada Test Site.
- Nevada had input into the recently released national nuclear waste transportation study conducted by the Decision Research Institute for the University of Maryland.
- The NANP's Internet web page generates information to the public and documents are distributed by request.

OTHER NUCLEAR WASTE PROGRAMS

Shipments of Foreign Reactor Nuclear Waste

Continuing his presentation, Mr. Loux stated that the DOE has:

- Announced that an initial shipment of foreign reactor fuel will be shipped from the Far East into Concord, California, after June 1998, and by dedicated train to the ION International Engineering Laboratory in Idaho Falls, Idaho, which includes transportation across Northern Nevada.
- Committed to educate people for emergency response at the state and local governmental level and reimbursement of costs to escort the shipment. Over the next 14 years, there will be a total of five shipments, each transported by dedicated train and each containing five casks and will go to Idaho Engineering and Environmental National Laboratory (INEEL) for temporary storage and then eventually to a repository when one is located in the United States.

Low-level Radioactive Waste Shipments to the Nevada Test Site

Addressing the issue of low-level radioactive waste shipments to the Nevada Test, Mr. Loux covered the following topics:

- In December 1997, a low-level waste leak was discovered by a truck driver in Caymen, Arizona, which resulted in a stoppage of the shipment to the Nevada Test Site from the Fernald Test Site in Ohio. The DOE has stopped shipments and agreed to put together a team to conduct a review of the problem at the Fernald Test Site. A report of the DOE's findings has been released to state agencies for review and comment.
- The NANP has identified four major concerns with these shipments: (1) The procurement of the metal boxes in which the materials are shipped; (2) the DOE's understanding of the waste form itself -- the amount of moisture that is in the waste; (3) problems with the material in the containers that absorb waste; and (4) problems regarding shipping notification.

Mr. Loux reported that Nevada's Governor Bob Miller has requested that:

- A joint oversight effort be incorporated in any future shipments of low-level radioactive waste to the Nevada test site. This effort should include the State of Nevada in overseeing the shipments as they travel from the Fernald Test Site in Ohio to Nevada.
- Shipments of low-level radioactive waste be routed some other way than through the Las Vegas Valley area.

In response to Mr. Lee's question as to why the United States has committed to other countries in disposing the low-level radioactive waste, Mr. Loux explained that:

- The waste is from small research reactors that the United States placed in foreign countries during the 1950s. The United States supplied these countries with the fuel and agreed to bring the fuel back after it was spent because it essentially belongs to the United States.

- It is critical to retrieve the spent fuel that is in countries that are not politically stable.

UPDATE ON OVERSIGHT ACTIVITIES OF THE AFFECTED UNITS OF LOCAL GOVERNMENTS

Myrna Williams

Myrna Williams, Clark County Commissioner, testified that she was pleased that Congress has restored Yucca Mountain funding to Clark County for Fiscal Year 1998 and it was her opinion that:

- The DOE's distribution of the oversight funding to Nevada's ten affected counties is inequitable. She noted that of the \$5 million available, Clark County received \$1.3 million.
- The impact to Clark County of the Yucca Mountain Site is far greater than any other county in Nevada.
- When the DOE finalizes the Fiscal Year 1999 budget, it is important that the funding distribution is proportionate to the degree of impact on each of the counties.

Exhibit C is a copy of Ms. Williams' prepared text.

Dennis Bechtel

Dennis Bechtel, Planning Manager for the Clark County Department of Comprehensive Planning, Las Vegas, reviewed the Yucca Mountain Oversight Program for Clark County which is Exhibit D. He stated that since 1988, when DOE designated Clark County as an "affected unit of local government," the Department of Comprehensive Planning has pursued an active and comprehensive program to address significant Yucca Mountain Program issues which include:

- Specific concerns regarding potential impacts to the public health and safety of Clark County's citizens to the potential for adverse effects to Clark County's tourist-based economy.
- The complex technical and policy issues surrounding transportation, site characterization and a host of other topics at Yucca Mountain.
- The office has had limited involvement due to Congress' failure to approve oversight funding for Fiscal Years 1996 and 1997.
- The uncertainty of where the shipments would be routed.
- If the high-level waste shipments are totally managed by private carriers, what type of interaction from the private carrier and local communities would take place in emergency response issues.
- Clark County would like to be an active participant in the development of the DOE's EIS.
- The transportation of the hazardous waste material puts the Clark County population at risk, should the interim storage legislation pass.

Addressing Senator Jacobsen's question, Mr. Bechtel stated that he would research how many response teams there are in Nevada and provide that information to the committee.

UPDATE ON THE U.S. NUCLEAR REGULATORY COMMISSION RELATING TO THE YUCCA MOUNTAIN PROJECT

Michael J. Bell, Ph.D.

Michael J. Bell, Ph.D., Chief, Performance Assessment and High Level Waste (HLW) Integration Branch, Division of Waste Management, NRC, explained he manages the program that oversees the disposal aspects of the Yucca

Mountain Project. He gave a slide presentation which covered NRC responsibilities, NRC's role in the review of the VAR, and strategies of insuring protection of public health and safety (a hard copy of his slide presentation is Exhibit E).

He explained that the NWPA and the Nuclear Waste Policy Amendments Act of 1987 specify a detailed approach for the disposal of high-level radioactive waste with the DOE having operational responsibility and the NRC having regulatory responsibility for the transportation, storage, and geologic disposal of the waste.

- The disposal of high-level radioactive waste requires a determination of acceptable health and environmental impacts over thousands of years. Current plans call for the ultimate disposal of the waste in solid form in a licensed deep, geologic structure.
- The NWPA Amendments Act redirected DOE to investigate only one potential high-level waste repository at Yucca Mountain.
- Any high-level radioactive waste repository will require an NRC license.
- The Yucca Mountain Project is in the preclicensing consultation phase where research is completed as to what is required for the site to be licensed by the year 2002.
- The NRC is the regulator and it is responsible to make sure that if the DOE places high-level radioactive waste at Yucca Mountain, that the public health and safety is protected.
- A review of the VAR will be made once the document is published but is not a statutory requirement. The review will identify where progress has been achieved, potential considerations for licensing, and paths to resolution.

Continuing his presentation, Dr. Bell reviewed the time line for the important issues before the NRC such as the EIS, Issue Resolution Status Report, license application, Performance Assessment, Standard Review Plan, and VAR which is shown in Exhibit E.

In closing, Dr. Bell covered the following topics regarding the NRC's strategy and programmatic approach for the Yucca Mountain Project which included:

- Timely issuance of site-specific, performance-based regulations that implement reasonable safety standards.
- During the preclicensure phase, the NRC will provide early feedback to the DOE that includes opportunity for interactions with the State of Nevada, local governments, Indian tribes, and the public.
- Early resolution of key technical issues critical to receipt of high-quality license application and timely licensing of the repository.
- The level of NRC activity will increase as the actual licensing date approaches.

Addressing Mr. Mortenson's questions regarding the new U.S. Environmental Protection Agency (EPA) standards, Dr. Bell stated:

- The EPA would play a consultative role in establishing a new radiation safety standard if the 100-millirem standard in the bill does not provide adequate protection of the public's health and safety.
- Ultimately, Congress would make the decision on the allowable radiation safety standard for the general public.

Update on the United States Nuclear Regulatory Commission Relating to the Yucca Mountain Project

Bill Belke and Chad Glenn

Bill Belke, Senior On-Site Licensing Representative, U.S. Nuclear Regulatory Commission, introduced Chad Glenn who is also a Senior On-Site Licensing Representative for the Yucca Mountain Project. Mr. Belke stated that the on-

site licensing representatives responsibilities are to:

- Serve as a point of prompt informational exchange and to preliminarily identify concerns about such investigations relating to potential licensing issues.
 - Consult with the DOE engineers/managers and scientists, with input from the NRC Division of High-Level Waste Management, on NRC policy and philosophy, regulatory environment, and implementation of regulations.
- Identify areas in site characterization and related studies, activities, and procedures that might be of concern to NRC staff.
- Ensure the DOE knows what is needed to prepare a high-quality license application.

Continuing his presentation, Mr. Belke gave a few examples of concerns the on-site representatives have identified for DOE which are as follows:

- Validity and quality of supplier data/products were not meeting set standards.
- Improper procedures and inaccuracies were found in scientific notebook documentation.
- Calculation errors were included in reports by the Laboratory Technical Program.

Addressing Senator O'Donnell's question if the current oversight is adequate protection for the citizens of Nevada, Mr. Belke stated that currently there are only two on-site representatives and that when DOE becomes a licensee there will be many more resident inspectors.

UPDATE ON NATIONAL CONFERENCE OF STATE LEGISLATURES' -- HIGH-LEVEL RADIOACTIVE WASTE INTERIM STORAGE AND TRANSPORTATION WORKING GROUP

This item was not discussed.

PUBLIC TESTIMONY

Mike Baughman

Mike Baughman, Ph.D., President, Intertech Services Corporation, Carson City, explained that he was appearing before the committee on behalf of Lincoln County, Nevada and the City of Caliente, Nevada. He reviewed the Yucca Mountain Project oversight programs of those two local governments and covered the following topics:

- The mission adopted by Lincoln County and the City of Caliente is to minimize risk; understand and maximize benefits; and understand and pursue options to mitigate impacts which are associated with the high-level radioactive waste program which also includes the issue of transportation.
- The current repository oversight program includes four activities: (1) impact assessment, (2) impact mitigation, (3) monitoring federal activities; and (4) public information education.
- Lincoln County has identified emergency response issues and is working to resolve them before the first shipment of high-level radioactive waste is transported through the area.
- The University of Nevada, Reno, has developed economic and fiscal impact models for the county to allow projection of what the economic consequences (either positive or negative) would be if the repository program is located in Nevada.
- An environmental impact statement scoping report was provided to the DOE.

- Lincoln County has made recommendations to the U.S. Secretary of Energy regarding the location of intermodal facilities in the area, transportation routes of rail and truck shipments across the Nevada Test Site, and the use of DOE's Motor Carrier Evaluation Program as a means to identify those motor carriers which have the highest operating standards possible.

In summary, Dr. Baughman stated the Governor is on record that he is against high-level radioactive waste traveling through the Las Vegas Valley. Therefore, there is a possibility that such shipments could be routed through Lincoln County and the City of Caliente.

Judy Trichol

Judy Trichol, Nevada Nuclear Waste Task Force, Las Vegas, explained that the Nevada Nuclear Waste Task Force is a grass roots organization associated with other groups concerned about high-level nuclear waste. She stated that there are many other groups across the nation that do not support the location of the repository in Nevada.

COMMENTS AND DISCUSSION BY COMMITTEE MEMBERS

Senator Jacobsen expressed appreciation to all the staff involved in the committee's tour of the Yucca Mountain Science Center, on March 10, 1998.

Mr. Mortenson provided a report titled "Local Population Dose and Local Individual Dose from Radioactive Carbon Dioxide, Yucca Mountain Environs" (Exhibit F) to the committee for its review.

ADJOURNMENT

There being no further testimony, Chairman Price adjourned the meeting.

Respectfully submitted,

Nenita Wasserman

Senior Research Secretary

APPROVED BY:

Assemblyman Bob Price, Chairman

Date: _____

LIST OF EXHIBITS

Exhibit A is an addendum to the Committee on High-Level Nuclear Waste meeting minutes of November 3 and 4, 1997, held in Washington, D.C. as submitted by Assemblyman Harry Mortenson.

Exhibit B is a hard copy of a slide presentation given by J. Russell Dyer, Ph.D., Acting Project Manager, United States Department of Energy, Yucca Mountain Site Characterization Office, Las Vegas, Nevada.

Exhibit C provided by Myrna Williams, Clark County Commissioner, Las Vegas is a copy of her detailed remarks to the High-Level Radioactive Waste Committee.

Exhibit D, titled "The Department of Comprehensive Planning, Nuclear Waste Division, Yucca Mountain Oversight Program," was provided by Dennis Bechtel, Planning Manager for the Clark County Department of Comprehensive Planning, Las Vegas.

Exhibit E, titled "United States Regulatory Commission, Regulatory Responsibilities for High-Level Waste Disposal at Yucca Mountain," was provided by Michael J. Bell, Ph.D., Chief, Performance Assessment and High Level Waste Integration Branch, Division of Waste Management, Washington, D.C.

Exhibit F, titled "Local Population Dose and Local Individual Dose from Radioactive Carbon Dioxide, Yucca Mountain Environs," was prepared by Nevada State Assemblyman Harry Mortenson for presentation to the National Academy of Sciences Committee on the Technical Basis for Yucca Mountain Standards, Washington, D.C.

Exhibit G is the attendance roster for this meeting.

Copies of the materials distributed in the meeting are on file in the Research Library of the Legislative Counsel Bureau, Carson City, Nevada. You may contact the library at (702) 684-6827.