

### NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20565

Reply to:

1050 E. Flamingo Rd.. #319

Las Vegas, NV 89119 Tel: (702) 388-6125

FTS: 598-6125

TO:

John J. Iinehan. Director. HLPD, Division of High-Level

Waste Hanigement, H/S 4H3

FROM:

Paul T. Prestholt, Sr. On-Site Licepsing Representative

DATE:

December 19, 1990

SUBJECT: YUCCA HOUNTAIN PROJECT BRIEFING PACKAGE

Please find enclosed the "first cut" of a briefing

package prepared by the Las Vegas Office

PTP:nan



### UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

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### I. REPOSITORY

A. Location of Repository -- YUCCA MOUNTAIN is located on and adjacent to the southwestern boundary of the Nevada Test Site approximately 100 miles northwest of Las Vegas in Nye County. The point of entry for the Nevada Test Site, i.e., Mercury, is 65 miles from Las Vegas.

The mountain is a long narrow ridge generally running north and south with a steep western slope and a gentler eastern slope. The underlying strata are inclined at three to eight degrees to the east. The ridge stands from about 1,000 to 1,200 feet above the surrounding alluvial flats.

### B. Description of Repository

- 1. Type of Medium TUFF; each layer is generally hundreds of feet thick and was formed separately between 8 and 16 million years ago by volcanic activity. Tuff has good physical, mechanical, and chemical characteristics for nuclear waste containment.
- 2. Size of Repository -- 16 square Kilometers
- 3. General Design Information See Preliminary drawing of repository complex.
- 4. Other Pertinent Information Yucca Mountain has an extremely deep static water table (more than 1,700 feet below land surface), which makes it possible to choose the most favorable repository horizon in the unsaturated zone. Because rainfall is low and the evaporation rate is high, it is believed that there is little percolation of water downward through the unsaturated rocks above the water table.

Potentially adverse conditions identified in the environmental assessment are: 1) The site geohydrology will be relatively difficult to characterize and model;
2) There is evidence of active faulting and igneous activity during the Quaternary period; 3) Currently available data are insufficient to establish if either the frequency of occurrence or the magnitude of earthquakes within the geologic setting could increase;
4) The site has topography that could lead to flooding (brief sheet flow); 5) Current data are insufficient to demonstrate that thickness and lateral extent of the host rock allow flexibility in facility design.

### C. Description of Environs

- 1. Population Density -- Very low in the vicinity of Yucca.
  Mountain.
- 2. Desert Environment leads to very limited water infiltration. The repository would be located in the unsaturated zone ranging from 800-1200 feet above the water table. Zeolite minerals, known to retard the movement of radionuclides, are found along potential flow paths from the repository to the accessible environment. Environmental impacts caused by site characterization are not likely to be significant.
- 3. Nearest Town and Population -- AMARGOSA VALLEY, NV; Less than 1,000 people.

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4. Nearest Major Population -- LAS VEGAS, NV area; Over 800,000 people.

#### II. FACILITY STATISTICS

A. Licensee Name and Address -- N/A; DOE will be the licensee when and if license application is presented.

- B. Organization (Key Managers and Divisions HQ/Site) -- See organization chart.
- C. Facility Location and Address -- DOE, Las Vegas: Yucca Mountain Project Office, 101 Convention Center Dr., #200, Phase II, Las Vegas, NV 89109; Area 25, Nevada Test Site
- D. NRC Las Vegas Office, 1050 E. Flamingo Rd., #319, Las Vegas, NV 89119, Tel: (702) 388-6125; FTS: 598-6125; Sr. On-Site Licensing Representatives: Paul T. Prestholt and John W. Gilray (resumes attached). Nancy J. White, Secretary.

### E. Licensing Information

- 1. NWPA Mandated Requirements and Schedules -- If Yucca Mountain is found suitable a repository would be scheduled to open in 2010.
- 2. SCP Information A detailed study called "site characterization" is being conducted by the Department of Energy to determine the suitability of the site for a repository and, if the site is suitable, to obtain from the Nuclear Regulatory Commission authorization to construct the repository. The Site Characterization Plan (SCP) prepared by DOE is a nine-volume document, approximately 6,300 pages in length, and it describes the activities that will be conducted to characterize the geologic, hydrologic, and other conditions relevant to the suitability of the site for a repository.

Many tests are required to evaluate the suitability and performance of the site. Some studies can be done in labs, but others require exploration and testing at the site, including constructing "exploratory" shafts and conducting tests underground in the exploratory shaft facility and at the depth of the proposed repository.

NOTE: Although not part of the SCP, other types of testing and evaluation include environmental, socioeconomic, and transportation studies, as well as evaluation of the possible effects of a repository on people and the environment; there is much effort being put into finding ways to avoid, eliminate, or mitigate any potential negative effects.

3. Licensing Schedule -- See attached schedule.

#### III. DOE MANAGEMENT CONTACTS

A. Headquarters Contacts (Names, Telephone Numbers, and Addresses)

OCWRM Director - John Bartlett; Deputy OCRWM Director F. G. Peters, FTS Tel: 896-9116; Associate Directors Dwight Shelor, FTS Tel: 896-7220; Frank Peters (Acting)
FTS Tel: 896-6850; Ron Milner, FTS Tel: 896-1116; Sam
Rousso, FTS Tel: 896-9116. \*Carl Gertz, FTS Tel:
544-7920 \*Las Vegas
Address: Office of Civilian Radioactive Waste
Management, U. S. Department of Energy, RW-24,
Washington, D. C. 20545

- B. Site Contacts (Names, Telephone Numbers, and Addresses)
  Address: Yucca Mountain Project Office, 101 Convention
  Center Dr., #200, Phase II, Las Vegas, NV 89109
  Tel: (FTS 544); (Comm: 702/794)
  - 1. \*Project Manager Carl P. Gertz, Tel: 7920
  - 2. \*Deputy Project Manager Max Blanchard (Acting), Tel: 7137
  - 3. QA Manager Don Horton, Tel: 7504
    QA Specialist Nancy Voltura, Tel: 7972
    QA General Engineer Jim Blaylock, Tel: 7913

4. Other Division Directors -

Ted Petrie, (Acting), Engineering and Development Division, Tel: 7929;

Wendy Dixon, Project and Operations Control Division, Tel: 7947;

David Dobson (Acting), Regulatory and Site Evaluation Division, Tel: 7939

\*Nick C. Aquilina, Manager U.S. DOE Nevada Operations
Office (NVO)

\*Robert M. Nelson, Jr. Deputy Manager, NVO

\*Chris L. West, Office of External Affairs Division Managers -

\*Bruce W. Church, Assistant Manager for Environment, Safety and Health

\*Donald L. Vieth, Deputy

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\*James K. Magruder, Assistant Manager for Operations and Engineering

\*Linda M. Smith, Assistant Manager for Administration \*Richard C. Amick, Assistant Chief Counsel

- \* Biographys attached
- C. Prime Contractors (Names, Telephone Numbers, and Addresses)

TRW-Environmental Safety Systems, Inc., Systems Integration Group, One Federal Systems Park Dr., Fairfax, VA 22033, Robby W. Robinson; President, Tel: (703) 876-8700

Raytheon Services, Nevada — Design of ES facility (underground); Design of ES facility (aboveground), TPO:
Richard L. Bullock, 101 Convention Center Dr., #P250, Las
Vegas, NV 89109, Tel: (702) 794-7014; FTS: 544-7014

Lawrence Livermore National Laboratory (LLNL) - Waste Package Design, TPO: Les Jardine, PO Box 808, M/S L-204, Livermore CA 94550, Tel: (415 422-4176; FTS: 532-4176 Los Alamos National Laboratory (LANL) - Geochemical investigations; volcanism; exploratory shaft test implementation, TPO: Richard Herbst, PO Box 1663, N-5, M/S J521, Los Alamos, NM 87545; (Express Mail - his home: 40 Barranca Rd, Los Alamos, NM 87544), Tel: (505) 667-1310; FTS: 843-1310

Mactec - Quality assurance consultants, TPO: A. M. Sastry, 101 Convention Center Dr., #P-113, Las Vegas, NV, Tel: (702) 794-7843; FTS: 544-7843

Reynolds Electrical and Engineering Co. (REECo) - Responsible for ES construction and provide site support (men, equipment and material), TPO: Robert F. Pritchett, M/S 615, Mercury, NV 89023, Tel: (702) 794-7561; FTS: 544-7561

Sandia National Laboratory (SNL) - Repository facility and equipment design; performance assessment, TPO: Thomas Blejwas, PO Box 5800, Organization 6310, Albuquerque, NM 87185, Tel: (505) 844-9160; FTS: 844-9160

Science Applications International Corp. (SAIC) - Project management and integration, regulatory and institutional, quality assurance, TPO: John Nelson, 101 Convention Center Dr., #407, Las Vegas, NV 90109, Tel: (702) 794-7830; FTS: 544-7830

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United States Geological Survey (USGS) - Geologic, hydrologic, and climate investigations, TPO: Larry Hayes, PO Box 25046, M/S 421, Denver Federal Center, Denver, CO 80225, Tel: (303) 236-0516; FTS: 776-0516

- IV. STATE OFFICIALS (Names, Telephone Numbers, and Addresses)
  - A. Governor Robert Miller, State of Nevada Capitol Complex, Carson City, Nevada, 89710, Tel: (702) 885-5670 and 2501 E. Sahara Ave., Las Vegas, Nevada, 89104, Tel: (702) 486-4500
  - B. Agency for Nuclear Projects, Nuclear Waste Project Office, Capitol Complex, Carson, City, Nevada, 89710, Tel:(702) 885-3744
    - 1. Executive Director -- Robert R. Loux
    - 2. Technical Manager -- Carl Johnson, Administrator of Technical Programs
    - 3. QA Manager -- Susan Zimmerman
  - C. U. S. Senators Harry Reid, 500 S. Rancho Rd., Ste. E-7, Las Vegas, NV, 89106 Tel: (702) 388-6545; Richard H. Bryan, 701 Bridger Ave., Las Vegas, Nevada 89101 Tel: (702) 388-6666
  - D. U. S. Representatives -- Barbara F. Vucanovich, 2200 Civic Center Dr., N. Las Vegas, Nevada 89030, Tel: (702) 399-3555;

James: H. Bilbray, 1701 W. Charleston Blvd., Las Vegas,.
NV, 89102, Tel: (702) 477-7000

- V. LOCAL OFFICIALS (Designated affected units of local government. Names, Telephone Numbers, and Addresses)
  - A. COUNTY COMMISSIONERS

Nye County Officials -- Barbara Raper, Cameron McRae,
Joe Maslach, Dave Hannigan, Richard Carver, all at PO Box
153, Tonapah, Nevada 89049, Tel: (702) 482-8123
Lincoln County Officials -- Keith Whipple, Lenard Smith, Ed
Wright, all at PO Box 90, Pioche, Nevada 89043, Tel: (702)
962-5390

Clark County Officials -- Jay Bingham, Paul Christensen, Don Schlesinger, Thalia M. Dondero, Karen Hayes, William Pearson, Pruce Woodbury, all at 225 Bridger Ave., Las Vegas, Nevada, 89155, Tel: (702) 455-3500

B. Officials from other affected units of local government City of Las Vegas — Mayor Ron Lurie, 400 Stewart Ave. Las Vegas, Nevada 89101 Tel: (702) 386-6241; Council Office — Same address, Tel: (702) 386-6405 — Councilmen: Bob Nolen, W. Wayne Bunker, Steve Miller, Arnie Adamsen

#### VI. MISCELLANEOUS

- A. How to get to the Nevada Test Site Highway 95 Northwest to Mercury turn off private or government vehicle
- B. Local Hotels Las Vegas (suggested no gambling)
  Alexis Park, 375 E. Harmon, (702) 796-3322
  Residence Inn, 3225 Paradise Rd, (702) 796-9300
  St. Tropez, 455 E. Harmon, (702) 369-5400

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NOTE: Due to the numerous conventions scheduled into the area, it is imperative to make your room reservations as early as possible. The government rate at the three above-listed hotels is within the limit allowed; inquire about using a tax exempt form to avoid paying the 7% tax.

Some hotels honor the form; some do not. You must provide the form if the hotel allows it.

C. Security instructions for entry at the Nevada Test Site are extremely stringent. Badging information must be submitted to the REECo/DOE Visitors Office at least 10 working days before a site visit, i.e., U. S. citizens; aliens must apply at least six weeks ahead of a site visit.

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The On-Site Licensing Representatives, Las Vegas, are knowledgeable in regards to proper procedure/information needed for badging of visitors.

NOTE: It is mandatory that a properly cleared employee accompany person(s) entering the Nevada Test Site. The On-site Licensing Representatives in the Las Vegas Office are qualified to escort.

An escort must be present in each vehicle.

D. Preferred attire for comfort/safety when visiting the Test Site, includes boots or field shoes, (tennis shoes not recommended), hat, jacket, and comfortable clothing suitable for desert terrain. Consideration should be given to the time of year for the visit, as contrary to popular belief, Nevada does have a winter season and occasional rain.

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#### Statement of Professional Qualifications

#### Paul T. Prestholt

Division of High-Level Waste Management
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission

I am a Senior On-Site Licensing Representative to the DOE Yucca Mountain Project Office in Las Vegas, Nevada. I am in the Repository Licensing and Quality Assurance Project Directorate within the Division of High-Level Waste Management.

I received my B.S. degree in Geology from the University of Illinois and have taken graduate level courses in Geophysics from the California Institute of Technology.

I have been employed by the U. S. Nuclear Regulatory Commission (NRC) since September, 1980. My present, primary responsibility is to work as liaison between the Division of High-Level Waste Management and the DOE Yucca Mountain Project Office (YMPO) in Nevada. This position requires daily contact with the YMPO and YMP Participant personnel, the attendance at meetings, the review of field work that is being conducted and interaction with Project Management. These activities make it possible to keep NRC Management informed of the day in, day out Yucca Mountain Project activities.

Prior to this assignment, I was a member of the Division's Technical Branch as a Geophysicist and Project Manager. In this position I provided authoritative technical input to regulations, guides, etc. I helped develop criteria for evaluating geophysical activities; prepared requests for proposals for contract support activities and evaluated the resulting proposals.

From 1973 to 1980 I was employed by Dames and Moore, Cranford, New Jersey and Washington, D.C.

As Senior Geophysicist and Principal Investigator, I directed the geophysical portion of siting studies for Preliminary Safety Analysis Reports on proposed nuclear and fossil-fuel power plants. Domestic locations included northern New York State for New York State Electric and Gas Company, Rochester Gas & Electric Company; in Maryland for Baltimore Gas & Electric Company; in Virginia for Virginia Electric Power Company. Overseas sites included southern Spain and Central Iran.

Directed Geophysical studies to determine presence, and extent, of faulting in a number of areas, both domestic and foreign. Responsible for innovative use of state-of-the-art field and interpretive techniques in high resolution seismic surveying. Skilled at integrating geophysical techniques to achieve a solution to difficult geologic problems.

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In 1973 I was employed by Geolabs, Nevada, Las Vegas, Nevada, as Senior Geologist. My duties included foundation studies for major building projects in Las Vegas. Nevada, and Denver, Colorado. Also a number of metallic and non-metallic mine evaluations in northern Nevada, Utah, and Colorado.

In 1972 to 1973 I was employed by United Geophysical Corporation, Pasadena, CA, as Party Chief of a seismic field crew contracted to a major oil company in Nigeria, West Africa. I was responsible for all crew operations including geophysical data quality control, computation of field static corrections, personnel and logistics. The crew included ten expatriates and from three hundred to four hundred local laborers.

In 1971 to 1972 I was self-employed, Glendora, CA, as a Consulting Geologist/Geophysicist. I performed several drilling projects in the Mojave Desert in non-metallic mineral exploration and a geological/geophysical project for San Bernardino County Waste Disposal Department.

In 1969 to 1971 I was employed by Ken O'Brien & Associates, Long Beach, CA, as a Senior Geophysicist/Geologist. I participated in planning major missile site development projects for the U.S. Air Force and performed the field geophysical work. This involved program planning of field geophysical work and interpretation of field data. An important part of this job was the interpretation of geophysical and geological data to arrive at a final interpretation.

In 1966 to 1969 I was employed by Western Geophysical Company, Los Angeles, CA. (Division of Litton Industries, employing 2,000 in contracting for geophysical exploration throughout the world.) I was Manager of the Mining/Engineering Department. I organized and set up the department, including the establishment of operations procedures and systems. Devised and directed construction of unique prototype instrumentation. Contacted clients of major stature. Negotiated field operations. Lead the efforts in determining final results. Conducted monthly staff meetings; prepared monthly status and progress reports. Wrote the final reports on all contracts.

In 1961 to 1966 I was employed by United Geophysical Company, Pasadena, CA. (Subsidiary of Bendix, Incorporated, with from 1,000 to 1,500 personnel engaged in geophysical explorations on contract), as a Party Chief/Seismologist. In this position I directed the activities of up to thirty geophysicists and technicians. Was responsible for field operations on the West Coast, Rocky Mountains, Mid-continent, and Alaska. Wrote weekly status and progress reports. Interpreted and reported on geological and geophysical surveys, also well and gamma logging surveys for the non-metallic mining industry. Clients included the United States Geological Survey and major oil and mining companies.

In 1958 to 1961 I was employed by Oscar G. Werner Company, Pasadena, CA, as sole Geologist. I was responsible for evaluating oil and mineral properties. Performed field evaluations, library studies and some original mapping. Wrote the final reports.

In 1957 to 1958 I was employed by Eastman Oil Well Survey Company, Ventura, CA, as a Well Survey Engineer. I was responsible for planning directional drilling programs and the performance of directional surveys.

In 1957 I also was employed by United Geophysical Corporation, Pasadena, CA, as a Field Party Trainee.

On May 22-26, 1989, I received Occupational Safety and Health Administration (OSHA) training at the OSHA Training Institute, Des Plaines, Illinois.

I'm an active member of the Society of Exploration Geophysicists.

I am a Registered Geologist, State of California; Registered Geophysicist, State of California; and a Registered Geologist, State of Delaware.

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#### Statement of Professional Qualifications

#### John W. Gilray

Division of High-Level Waste Management Office of Nuclear Material Safety and Safeguards U.S. Nuclear Regulatory Commission

I am a Senior On-Site Licensing Representative to the DOE Yucca Mountain Project Office in Las Vegas, Nevada. I am in the Repository Licensing and Quality Assurance Project Directorate within the Division of High-Level Waste Management.

I received my B.S.M.E. degree from Grove City College.

I have been employed by the U. S. Nuclear Regulatory Commission (NRC) since June, 1972. My present, primary responsibility is to work as liaison between the Division of High-Level Waste Management and the DOE Yucca Mountain Project Office (YMPO) in Nevada. This position requires daily contact with the YMPO and YMP Participant personnel, the attendance at meetings, the review of field work that is being conducted and interaction with Project Management. These activities, which include the review and observation of the development and implementation of the YMPO and the YMP participants' QA programs, make it possible to keep NRC Management informed of the day in, day out Yucca Mountain Project activities.

From 1972 to 1988 I was a Senior Nuclear Quality Assurance Engineer in the QA Branch of the Office of Nuclear Reactor Regulation.

### I was responsible for:

- Reviewing and evaluating CA programs and changes thereto for control of nuclear facilities and for waste repositories.
- Inspecting and auditing activities affecting quality.
- Investigating QA problems associated with difficult problem plants and assist in the review and acceptance of corrective action programs.
- Evaluating and assessing the performance and effectiveness of utilities in QA.
- Reviewing corrective action systems for timely dispositions, root cause analysis, generic applicability and actions to preclude problem recurrence.
- Evaluating procurement practices with emphasis focused on controls for replacement parts and adherence to 10 CFR 50.
   Part 21.

From 1963 to 1972 I was employed by NASA and AEC under the Space Nuclear Propulsion Office, as a QA Engineer, representing the Space Nuclear Propulsion Office as the resident QA Engineer for the Nuclear Engine Reactor Vehicle Assembly at Aerojet Corporation. I was responsible for:

- Evaluating the QA/QC activities pertaining to the design, fabrication and testing of the Nuclear Engine Reactor Vehicle Assembly and provided direction and/or recommendations to correct QA weaknesses.
- Evaluating QA requirements in specifications and fabrication and inspection procedures.
- Participating on Material & End Item Review Boards.

From 1962 to 1963, I was employed by Bourn's Inc., Riverside, California, as a QC Engineer. I was responsible for QC and reliability policies and activities in the manufacturing and inspection of potentiometers and relays used in the aerospace industry. I evaluated the design and inspection processes and approved QA programs of suppliers, established inspection and AQL standards for items received from suppliers and was QA member of the Material Review Board.

From 1959 to 1962, I was employed by Alco Products, Inc., Dunkirk, New York, as a QA Engineer. I developed QA program and inspection procedures for fabrication of nuclear components and performed inspection and audit functions.

I have received training in QA Engineering and Occupational Safety and Health Admistration.

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I am a member of the American Society for Quality Control. I am a registered professional engineer in the State of California, License No. QU 004860.

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### **BIOGRAPHY**

### CARL P. GERTZ Project Manager, Yucca Mountain Project Office

Carl P. Gertz, Project Manager of the Yucca Mountain Project Office at the U.S. Department of Energy's (DOE) Nevada Operations Office, has been employed by DOE since 1977. He has held his present post since 1987.

The Nevada Operations Office operates the Nevada Test Site, which includes Yucca Mountain, candidate site for the nation's first repository for high-level radioactive waste. Gertz manages DOE's evaluation of Yucca Mountain.

Prior to 1987, Gertz was Manager of the Special Isotope Separation Project Office at DOE's Idaho Operations Office. At that post he headed the effort to design, develop, and operate a facility which uses lasers to separate isotopes of plutonium.

Before that, as Deputy Assistant Manager for Nuclear Programs, he was involved with the management of spent nuclear fuel and high-level radioactive waste from DOE's defense programs. He also has worked in a variety of other nuclear waste management positions there including low-level waste, high-level waste, transuranic waste management, spent fuel transportation, and storage technology development.

Prior to joining DOE, Gertz worked 16 years in the inter-mountain states for The Boeing Company in missile site development, installation and construction management.

He holds a Bachelor of Science degree in civil engineering from Michigan State University and a Master's degree in systems management from the University of Southern California. Gertz also has done postgraduate work in nuclear engineering at the University of Idaho.

9/26/88



### **BIOGRAPHY**

### NICK C. AQUILINA Manager Nevada Operations Office

Nick C. Aquilina, 51, was named Manager of the U.S. Department of Energy's (DOE) Nevada Operations Office on April 3, 1987, by DOE Secretary John S. Herrington.

The Nevada Operations Office (NVO), headquartered in Las Vegas, has jurisdiction over the 1,350-square-mile Nevada Test Site (NTS). The NVO is responsible for conducting the nation's underground nuclear weapons test program, carrying out a segment of the low-level defense nuclear waste management program, responding to some DOE emergency response programs, conducting a study for a potential nation-wide high-level nuclear waste repository, operating the Liquefied Gaseous Fuel Spill Test Facility at the NTS, and for other duties.

Aquilina's Federal career began in 1960 with the U.S. Army where he served about two years. In 1962, he first moved to Las Yegas to work for Reynolds Electrical & Engineering Co., Inc., where he held various budgeting and administrative positions. In 1967, Aquilina went to work for the U.S. Atomic Energy Commission (AEC) in Las Yegas as a program analyst. Later he became director of the Plans and Budget division. He transferred to the DOE's Idaho Operations Office at Idaho Falls as the Assistant Manager for Administration in 1976, and was named Deputy Manager in 1981. Aquilina remained in that post until assuming duties in Las Yegas as Manager on July 5, 1987.

In addition to his duties as NVO Manager, Aquilina is active in public service activities. These include the Southern Nevada Federal Executive Association (as Vice President), Nevada Economic Development Association, Greater Las Vegas Chamber of Commerce Board of Directors, Boulder Dam Area Council-Boy Scouts of America Board of Directors, Nevada Development Authority Board of Trustees, and Desert Research Institute Statewide Advisory Committee.

Aquilina is a native of Pittston, Pennsylvania. He received a bachelor of arts degree at Kings College, Wilkes-Barre, Pennsylvania. He and his wife, the former Freda Ross of Scotland, have two children, David and Lisa.

8-1-88



### **BIOGRAPHY**

### CHRIS L. WEST Director, Office of External Affairs

Chris L. West was named Director of the Office of External Affairs at the U.S. Department of Energy's Nevada Operations Office in July 1987.

The Nevada Operations Office, headquartered in Las Vegas, operates the 1,350-square-mile Nevada Test Site (NTS). The office conducts the nation's underground nuclear weapons testing program, and manages the Yucca Mountain Project to evaluate NTS as a potential site for the first national repository for high-level radioactive waste.

Mr. West administers DOE public information and community affairs programs; coordinates relationships with other federal agencies, state and local governments, and Congressional staff members; and directs the classification and NTS visitor programs. He also serves as Freedom of Information Officer.

A native of Kansas City, Missouri, Mr. West attended Northwest Missouri State University and received a Bachelor of Journalism degree from the Univerity of Missouri in 1964. He has been News Editor on the Tarkio (Missouri) Avalanche; Copy Editor on the Omaha (Nebraska) World-Herald; and Employee Publications Editor for the Bendix Corporation.

His federal career began in 1969 as a public information officer at DOE's Oak Ridge Operations Office, Oak Ridge, Tennessee, when it was under the U.S. Atomic Energy Commission (AEC). He transferred to the Nevada Operations Office in 1970.

He joined the U.S. Environmental Protection Agency (EPA) in 1972 as Director of Public Affairs at the National Environmental Research Center in Corvallis, Oregon. In 1978 he transferred to EPA's Environmental Research Center at Research Triangle Park, North Carolina, as Director of the Office of Public Affairs.

In 1981 Mr. West was assigned the additional duty of coordinating public information programs for all 14 laboratories and the four field stations in EPA's national research complex. He returned to DOE in 1982 as a public affairs specialist at the Nevada Operations Office.

Mr. West has received the William Randolph Hearst Award for Excellence in Newspaper Writing, the AEC Special Achievement Award, and the EPA Bronze Medal for Commendable Service. He also is a graduate and charter member of Leadership Las Vegas, a community leadership program sponsored by the Las Vegas Chamber of Commerce.

9/19/88

U.S. DEPARTMENT OF LARGE. NEVADA OPERATIONS OFFICE OFFICE OFFICE BOX 98518
LAS VEGAS, NEVADA 89193-8518

# DOENEVS:

FOR IMMEDIATE RELEASE March 17, 1988

BRUCE W. CHURCH NAMED DOE ASSISTANT MANAGER FOR ENVIRONMENT, SAFETY AND HEALTH; DR. DONALD L. VIETH NAMED AS DEPUTY

Bruce W. Church has been named Assistant Manager for Environment, Safety and Health for the U.S. Department of Energy's (DOE) Nevada Operations Office. Dr. Donald L. Vieth has been named Deputy Assistant Manager.

Nick C. Aquilina, Manager of the Nevada Operations Office, said in announcing the appointments that Church and Dr. Vieth will manage environmental, radiological, industrial hygiene; safety, and quality assurance programs.

Church was born in St. George, Utah. He began his career with the U.S. Public Health Service in Las Vegas in 1961 and worked as a research assistant in the University of Utah's Department of Radiological Health from 1962 to 1965. Church joined Pan Am World Services at the Nuclear Rocket Development Station at the Nevada Test Site in 1966 as an engineer health physicist.

In 1969 he joined DOE's predecessor, the U.S. Atomic Energy Commission, as a health physicist in Las Vegas. In 1974, Church was named chief of the Radiological Branch. In 1980, he was named director of the Bealth Physics Division.

Church holds an associate degree in science from Dixie Junior College, a bachelor of science degree in molecular and radiobiology from the University of Utah, and a master's degree in radiological health from Colorado State University.

Dr. Vieth graduated from the University of Cincinnati in 1963 with a bachelor's degree in metallurgical engineering. He was employed by the National Bureau of Standards (NBS) from 1963 to 1968, when he began graduate studies. Dr. Vieth received a doctorate in metallurgical engineering from the University of Cincinnati in June 1972 and returned to NBS.

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At NBS, Dr. Vieth was Assistant to the Director. He has been with DOE and its predecessor, the Energy Research and Development Administration, since July 1975, serving intially as Technical Assistant to the Assistant Administrator for Nuclear Energy.

Dr. Vieth joined DOE's radioactive waste management program in Washington, D.C., and was Director of the Waste Management Project Office in Las Vegas from 1982 to 1987. While in Washington, D.C., he also served as a liaison with the Nuclear Regulatory Commission regarding licensing of commercial waste repositories.

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News Media Contact: Barbara Yoerg, 702-295-3521

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### **BIOGRAPHY**

### JAMES K. MAGRUDER

James K. Magruder is Assistant Manager for Operations and Engineering at the U.S. Department of Energy's (DOE) Nevada Operations Office.

The Nevada Operations Office operates the Nevada Test Site (NTS), where the nation's underground nuclear weapons tests are conducted. NTS also is a potential site for the first national repository for high-level radioactive waste.

Mr. Magruder manages divisions responsible for engineering management activities, safeguards and security, operational coordination, and DOE verification activities involving U.S./U.S.S.R. treaties. Mr. Magruder also is a Test Controller with responsibility for assuring the safe execution of experiments at the NTS.

Mr. Magruder also participated in the Geneva negotiations. He chaired the working group negotiating the details leading to exchange visits between the U.S. and Soviet nuclear test sites in January 1988. He also chaired one of the working groups developing the Joint Verification Experiments.

He was born in Wichita, Kansas. Before joining DOE, he worked in the Missile Division of the Boeing Company at Seattle, Washington, for two years and for EG&G, Inc., of Ias Vegas for nine years.

Mr. Magruder began his civil service career in 1975 as a Nuclear Systems Officer at the Nevada Operations Office. He was named Chief of the Nuclear Operations Branch in 1976, Director of the Nuclear Systems Division in 1978, and Director of the Test Operations Division in 1985.

He holds a Bachelor of Science degree in electrical engineering from the University of Washington and a Master's degree in business administration from the University of Nevada at Las Vegas.

8-10-88



### **BIOGRAPHY**

## ROBERT M. NELSON JR. Deputy Manager Nevada Operations Office

Robert M. Nelson Jr. is Deputy Manager of the U.S. Department of Energy's (DOE) Nevada Operations Office.

This office operates the Nevada Test Site (NTS) where the nation's underground nuclear weapons tests are conducted. NTS also is a potential site for the first national high-level radioactive waste repository.

The Nevada Operations Office also has responsibility for much of DOE's radiological emergency response capabilities. The function of this group is to provide a timely response in locating, identifying, and recovering hazardous radiological material, and in providing interim assessments and advice to federal, state and local officials to assure public health and safety.

The office also manages facilities in the Pacific as part of the nation's nuclear testing readiness program, provides construction and operating support to U.S. Department of Defense projects, and operates a Liquefied Gaseous Fuels Spill Test Facility at the NTS.

Prior to becoming Deputy Manager, Nelson was Assistant Manager for Administration for about two years. In that position he managed five divisions: Organization and Personnel, Resource Management and Budget, Finance, Administrative Services, and Contracts and Property. From 1982 to 1986 he was Assistant Manager for Operations with operational control and management of all activities at the NTS. Nelson also serves as Test Controller with responsibility for assuring that underground nuclear weapons tests are conducted safely.

Nelson, a native of Illinois, served in the U.S. Navy from 1960 to 1971. In 1966 the Navy assigned him to the Atomic Energy Commission's Division of Naval Reactors. He served from 1970 to 1974 at the Shippingport (Pennsylvania) Branch Office where he began his U.S. Civil Service career as manager in 1971.

In 1974 he joined the Federal Energy Administration whose functions are now within the DOE. Nelson managed contract work associated with improving performance of nuclear and fossil fuel power plants. He joined the Nevada Operations Office in 1978 as Director of DOE's Waste Management Project Office (now the Yucca Mountain Project Office).

Nelson holds a bachelor of science degree in electrical engineering from the University of New Mexico. He attended a graduate level school for DOE engineers at the Bettis Atomic Power Laboratory.

12-16-88

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## DOENEWS:

FOR IMMEDIATE RELEASE October 28, 1980

Richard C. Amick, Assistant Chief Counsel for the Department of Energy's (DOE) Nevada Operations Office (NV) since 1972, has been appointed Chief Counsel, NV Manager M. E. Gates announced today.

Amick served in the U.S. Army from 1952 to 1955, and was assigned to the Judge Advocate General's Corps with duties as Claims Officer, Defense Counsel before general courts-martial, and as Assistant Staff Judge Advocate with duty stations in Korea and the United States. From 1955 to 1960, Amick was in private law practice in California. He became the Assistant Regional Counsel for the Small Business Administration in San Francisco in 1960 and remained with that organization until 1963. He joined NV (then under the Atomic Energy Commission, a predecessor of DOE) in 1963 as a member of its legal staff.

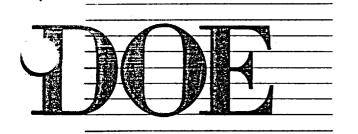
Amick earned Associate and Bachelor of Arts degrees from San Jose State College, San Jose, California, in 1949 and his Juris Doctorate from Stanford University, Stanford, California, in 1952. He is a member of the California State Bar.

He is married to the former Mary E. Rierson of Ames, Iowa. The couple has two sons.

- DOE -

News Media Contact: David F. Miller, OPA/NY, (702) 734-3521

NV-80-62



NEWS MEDIA CONTACT Roxanne Coniglio, 702-295-3521 FOR IMMEDIATE RELEASE March 6, 1989

### LINDA M. SMITH SELECTED FOR DOE ASSISTANT MANAGER FOR ADMINISTRATION POSITION

Linda M. Smith has been named Assistant Manager for Administration at the U.S. Department of Energy's (DOE) Nevada Operations Office.

As Assistant Manager for Administration, Ms. Smith will be responsible for managing all aspects of the Contracts and Property, Financial Management, Personnel and Industrial Relations, and Information Management Divisions. She will also be responsible for DOE's Pacific Area Support Office.

Ms. Smith began her Federal career as a civilian employee of the U.S. Air Force at Nellis AFB, Nevada in 1957. She transferred to the U.S. Atomic Energy commission in 1965. Ms. Smith left the Las Vegas area in 1979 to serve as Chief, Management Services Division, at the Western Area Power Administration in Phoenix, AZ. In 1981, she transferred to the U.S. Bureau of Reclamation, in Phoenix, AZ, as the Manager of Administration for the Arizona Projects Office. In 1985, Ms. Smith returned to Las Vegas and the Nevada Operations Office as Director of the Personnel and Industrial Relations Division. She had served as the Deputy Assistant Manager for Administration since March 1988.

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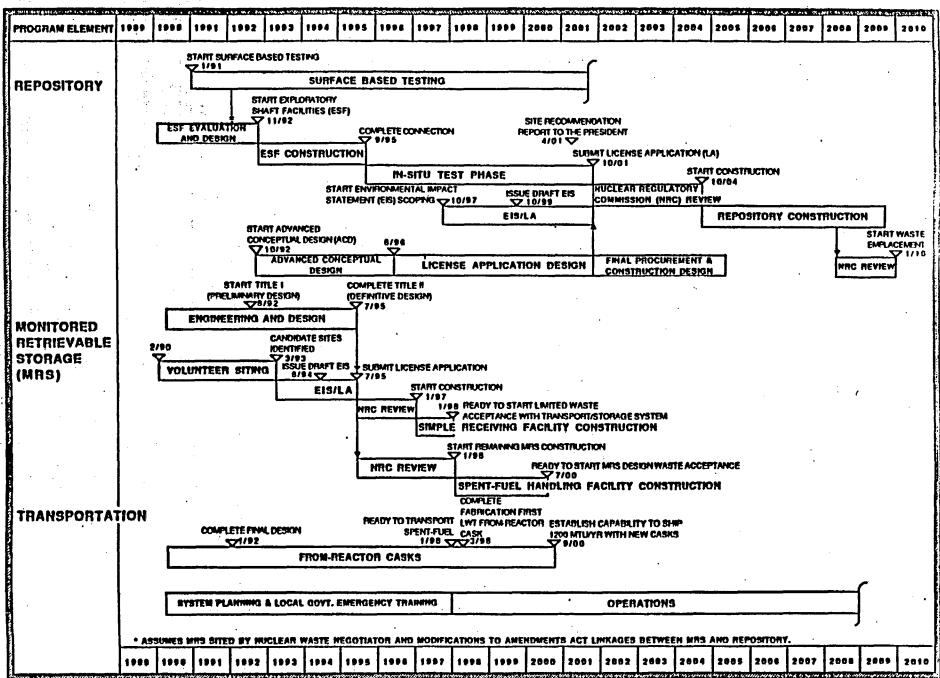
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Mrs. Smith graduated from the University of Nevada, Las Vegas, with a bachelor's degree in political science. She continued her education at Arizona State University where she received a master's degree in business administration.

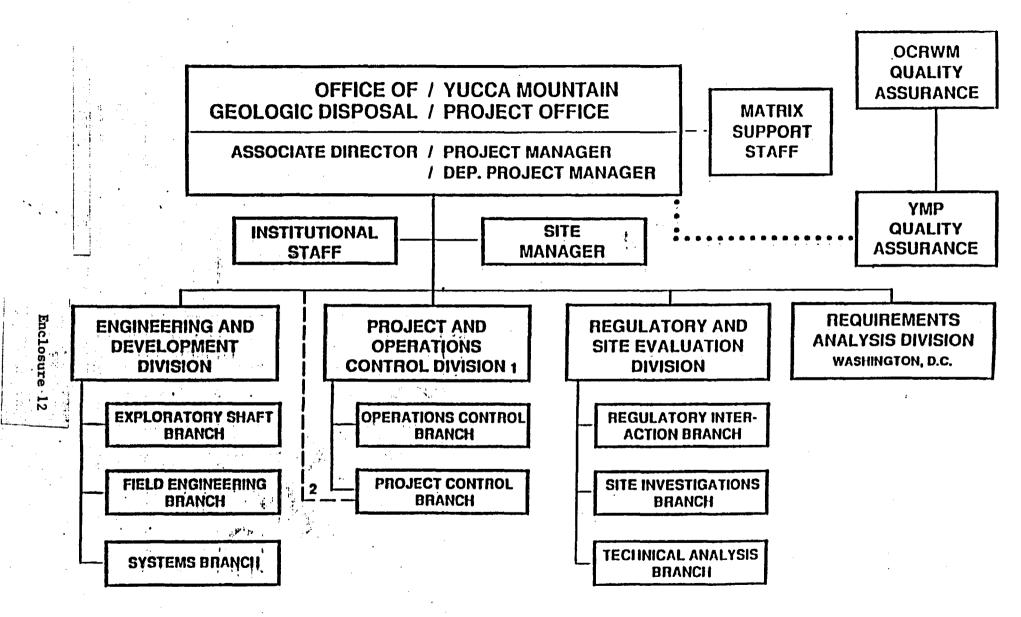
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REFERENCE SCHEDULE FOR RESTRUCTURED PROGRAM \*

11/20/00



- 1 INCLUDES ADDITIONAL BUSINESS MANAGEMENT FUNCTION
- 2 TEMPORARY REPORTING LINE PENDING APPROVAL OF REQUEST FOR REORGANIZATION

YUCCA MOUNTAIN
OPERATIONS
DIVISION

P. L. BULLOCK PROTECT

.QA Mike Regenda R.L. BULLOCK, PROJECT HGR (FSN)

J.C. CALOVINI, DEPUTY MGR (H&N)

FIELD OPERATIONS DEPARTMENT

J.M. REPLOGIE ACTING HANAGER (H4N) 8YS ENGINEERING DEPARTHENT

R.L. SCHREINER HANAGER (HEN) ESF DESIGN DEPARTMENT

B.R. CHYTROWSKI HANAGER (FSN) PROJECT ADMINISTRATION DEPARTMENT

> M.H. WILSON MANAGER (FSN)

closure 13

YUCCA HOUNTAIN
RAYTHEON SERVICES NEVADA
ORGANIZATION, NOVEHBER 5, 1990

