

Exhibit 2

Dr. Marvin Resnikoff

Radioactive Waste Management Associates
526 West 26th Street, Room 517
New York, NY 10001
(212)620-0526 FAX (212)620-0518

241 W. 109th St, Apt. 2A
New York, NY 10025
(212) 663-7117

EXPERIENCE:

April 1989 - present Senior Associate, Radioactive Waste Management Associates, management of consulting firm focused on radioactive waste issues, evaluation of nuclear transportation and military and commercial radioactive waste disposal facilities.

1978 - 1981; 1983 - April 1989 Research Director, Radioactive Waste Campaign, directed research program for Campaign, including research for all fact sheets and the two books, *Living Without Landfills*, and *Deadly Defense*. The fact sheets dealt with low-level radioactive waste landfills, incineration of radioactive waste, transportation of high-level waste and decommissioning of nuclear reactors. Responsible for fund-raising, budget preparation and project management.

1981 - 1983 Project Director, Council on Economic Priorities, directed project which produced the report *The Next Nuclear Gamble*, on transportation and storage of high-level waste.

1974 - 1981 Instructor, Rachel Carson College, State University of New York at Buffalo, taught classes on energy and the environment, and conducted research into the economics of recycling of plutonium from irradiated fuel under a grant from the Environmental Protection Agency.

1975 - 1976 Project Coordinator, SUNY at Buffalo, New York Public Interest Research Group, assisted students on research projects, including project on waste from decommissioning nuclear reactor.

1973 Fulbright Fellowship at the Universidad de Chile, conducting research in elementary particle physics.

1967 - 1972 Assistant Professor of Physics, SUNY at Buffalo, conducted research in elementary particle physics and taught range of graduate and undergraduate physics courses.

1965 - 1967 Research Associate, Department of Physics, University of Maryland, conducted research into elementary particle physics.

EDUCATION

University of Michigan
Ann Arbor, Michigan

PhD in Physics, June 1965
M.S. in Physics, Jan 1962
B.A. in Physics/Math, June 1959

Resume of Marvin Resnikoff, Ph.D.

Dr. Marvin Resnikoff is Senior Associate at Radioactive Waste Management Associates and is an international consultant on radioactive waste management issues. He is Principal Manager at Associates and is Project Director for risk assessment studies on radioactive waste facilities and transportation of radioactive materials. Dr. Resnikoff has concentrated exclusively on radioactive waste issues since 1974. He has conducted studies on the remediation and closure of the leaking Maxey Flats, Kentucky radioactive landfill for Maxey Flats Concerned Citizens, Inc. under a grant from the Environmental Protection Agency, the Wayne and Maywood, New Jersey thorium Superfund sites and on proposed low-level radioactive waste facilities at Martinsville (Illinois), Boyd County (Nebraska), Wake County (North Carolina), Ward Valley (California) and Hudspeth County (Texas). He has conducted studies on transportation accident risks and probabilities for the State of Nevada and dose reconstruction studies of oil pipe cleaners in Mississippi and Louisiana, residents of Canon City, Colorado near a former uranium mill, residents of West Chicago, Illinois near a former thorium processing plant, and residents and former workers at a thorium processing facility in Maywood, New Jersey. In West Chicago he calculated exposures and risks due to thorium contamination and served as an expert witness for plaintiffs A Muzzey, S Bryan, D Schroeder and assisted counsel for plaintiffs KL West and KA West. He is presently serving as an expert witness for a separate group of plaintiffs in West Chicago, including R Dassion. He also evaluated radiation exposures and risks in worker compensation cases involving G Boeni and M Talitsch, former workers at Maywood Chemical Works thorium processing plant.

Under a contract with the State of Utah, Dr. Resnikoff is a technical consultant to DEQ on the proposed dry cask storage facility for high-level waste at Skull Valley, Utah and proposed storage/transportation casks. He is assisting the State on licensing proceedings before the Nuclear Regulatory Commission. In addition, at hearings before state commissions and in federal court, he has investigated proposed dry storage facilities at the Point Beach (WI), Prairie Island (MN) and Palisades (MI) reactors.

In Canada, he has conducted studies on behalf of the Coalition of Environmental Groups and Northwatch for hearings before the Ontario Environmental Assessment Board on issues involving radioactive waste in the nuclear fuel cycle and Elliot Lake tailings and the Interchurch Uranium Coalition in Environmental Impact Statement hearings before a Federal panel regarding the environmental impact of uranium mining in Northern Saskatchewan. He has also worked on behalf of the Morningside Heights Consortium regarding radium-contaminated soil in Malvern and on behalf of Northwatch regarding decommissioning the Elliot Lake tailings area before a FEARO panel. More recently he completed a study for Concerned Citizens of Manitoba regarding transportation of irradiated fuel to a Canadian high-level waste repository.

He was formerly Research Director of the Radioactive Waste Campaign, a public interest organization conducting research and public education on the radioactive waste issue. His duties with the Campaign included directing the research program on low-level commercial and military waste and irradiated nuclear fuel transportation, writing articles, fact sheets and reports, formulating policy and networking with numerous environmental and public interest organizations and the media. He is author of the Campaign's book on "low-level" waste, *Living Without Landfills*, and co-author of the Campaign's book, *Deadly Defense, A Citizen Guide to Military Landfills*.

Between 1981 and 1983, Dr. Resnikoff was a Project Director at the Council on Economic Priorities, a New York-based non-profit research organization, where he authored the 390-page study, *The Next Nuclear Gamble, Transportation and Storage of Nuclear Waste*. The CEP study details the hazard of transporting irradiated nuclear fuel and outlines safer options.

In February 1976, assisted by four engineering students at State University of New York at Buffalo, Dr. Resnikoff authored a paper that changed the direction of power reactor decommissioning in the United States. His paper showed that power reactors could not be entombed for long enough periods to allow the radioactivity to decay to safe enough levels for unrestricted release. The presence of long-lived radionuclides meant that large volumes of dismantled reactors would still have to go to low-level waste disposal facilities. He has assisted public interest groups NECNP and CAN on the decommissioning of the Yankee-Rowe reactor.

Dr. Resnikoff is an international expert in nuclear waste management, and has testified often before State Legislatures and the U.S. Congress. He has extensively investigated the safety of the West Valley, New York and Barnwell, South Carolina nuclear fuel reprocessing facilities. His paper on reprocessing economics (Environment, July/August, 1975) was the first to show the marginal economics of recycling plutonium. He completed a more detailed study on the same subject for the Environmental Protection Agency, "Cost/Benefits of U/Pu Recycle," in 1983. His paper on decommissioning nuclear reactors (Environment, December, 1976) was the first to show that reactors would remain radioactive for hundreds of thousands of years.

Dr. Resnikoff has prepared reports on incineration of radioactive materials, transportation of irradiated fuel and plutonium, reprocessing, and management of low-level radioactive waste. He has served as an expert witness in state and federal court cases and agency proceedings. He has served as a consultant to the State of Kansas on low-level waste management, to the Town of Wayne, New Jersey, in reviewing the cleanup of a local thorium waste dump, to WARD on disposal of radium wastes in Vernon, New Jersey, to the Southwest Research and Information Center and New Mexico Attorney General on shipments of plutonium-contaminated waste to the WIPP facility in

New Mexico and the State of Utah on nuclear fuel transport. He has served as a consultant to the New York Attorney General on air shipments of plutonium through New York's Kennedy Airport, and transport of irradiated fuel through New York City, and to the Illinois Attorney General on the expansion of the spent fuel pools at the Morris Operation and the Zion reactor, to the Idaho Attorney General on the transportation of irradiated submarine fuel to the INEL facility in Idaho and to the Alaska Attorney General on shipments of plutonium through Alaska. He was an invited speaker at the 1976 Canadian meeting of the American Nuclear Society to discuss the risk of transporting plutonium by air. As part of an international team of experts for the State of Lower Saxony, the Gorleben International Review, he reviewed the plans of the nuclear industry to locate a reprocessing and waste disposal operation at Gorleben, West Germany. He presented evidence at the Sizewell B Inquiry on behalf of the Town and Country Planning Association (England) on transporting nuclear fuel through London. In July and August 1989, he was an invited guest of Japanese public interest groups, Fishermen's Cooperatives and the Japanese Congress Against A- and H- Bombs (Gensuikin).

Between 1974 and 1981, he was a lecturer at Rachel Carson College, an undergraduate environmental studies division of the State University of New York at Buffalo, where he taught energy and environmental courses. The years 1975-1977 he also worked for the New York Public Interest Group (NYPIRG).

In 1973, Dr. Resnikoff was a Fulbright lecturer in particle physics at the Universidad de Chile in Santiago, Chile. From 1967 to 1973, he was an Assistant Professor of Physics at the State University of New York at Buffalo. He has written numerous papers in particle physics, under grants from the National Science Foundation. He is a 1965 graduate of the University of Michigan with a Doctor of Philosophy in Theoretical Physics, specializing in group theory and particle physics.



DAVID B COLE

6618 W 4145 South St. • West Valley City, Utah 84128 •



EMPLOYMENT

YEARS EMPLOYED (EX: 1971 - PRESENT)

Senior Engineer
State of Utah Division of Water Resources

Salt Lake City, Utah

Assistant Section Chief

Develop and maintain river basin and project operation simulation computer programs.
Develop and maintain computer programs to solve complex engineering programs in areas of hydrology, hydraulics, statistics, economics, seismic data reduction and land survey reduction.

EDUCATION

YEARS ATTENDED (EX: 1970-76)

Civil Engineering
Bachelor of Science Degree

University of Utah, Salt Lake City, Utah

Graduated Cum Laude

Member of Tau Beta Pi National Engineering Honor Fraternity

Member of Chi Epsilon National Civil Engineering Honor Fraternity

SKILLS AND LICENSING

- Over 20 years of experience developing computer programs to simulate the operation of reservoir and river systems.
- Over 20 years of experience developing computer programs to perform hydrologic and hydraulic computations.
- Over 20 years of experience computing design and probable maximum flood hydrographs, and flood routing.
- Licensed Professional Engineer in State of Utah.

116 State Capitol
Salt Lake City, UT 84114
801-538-1640 (W)

John L. Matthews Major General USAF (Ret)

Present Assignments

**MILITARY ADVISOR TO THE GOVERNOR OF UTAH
DEFENSE CONSULTANT**

Career Summary

General Matthews retired on 30 September 1994 after nearly 40 years of service. He was commissioned a 2nd Lieutenant in the United States Air Force on 17 December 1954. He graduated from Flight School in June of 1956 and was assigned as an Instructor Pilot at Laredo AFB, Texas. During his flying career he flew T-33s, F-86s, C-97s, KC-97s, C-124s, KC-135s, and had brief experiences flying B-52s, EC-135s, F-16s, AH-64s, and C-130s. His flying career took him throughout the world, and included an assignment as Aircraft Commander of an around the world flight. His last assignment was Adjutant General of Utah, which he held from 1982-1994, serving under three different governors. During that period he was elected President of the Adjutants General Association of the United States and later President of the National Guard Association of the United States. He served as Chairman, Board of Advisors, of the Air National Guard Professional Military Education Center in Knoxville, Tennessee. He received several appointments from the Secretary of Defense, including: Chairman, Air Reserve Forces Policy Committee; Readiness Chairman, Reserve Forces Policy Board; Advisor to the DOD Task Force on Quality of Life; and a member of the Army Offsite Committee on Force Structure. He led the National Guard Delegation at the 50th anniversary commemoration of D Day in France which included a personal presentation to President Francois Mitterand at the Elysee Palace in Paris. Following his retirement he was appointed by President Clinton as a Commissioner, Commission on Rolls and Missions of the Armed Forces.

General Matthews holds a Masters Degree from Brigham Young University and is a graduate of the Air War College. He presently serves as Chairman of the Citizen's Advisory Commission for the Tooele Chemical Demilitarization Facility and Chairman of the Dugway Technical Review Committee.

His 21 medals include the Air Force Distinguished Service Medal, Legion of Merit, Republic of Vietnam Service Medal, and the Utah Medal of Merit. He has recieved the Distinguished Service Award and the Eagle Award from the National Guard Bureau and the Legion de Lafayette from the National Guard Association.

He holds a TS SBI clearance.

David Larsen
2646 East 3650 North
Layton, Utah 84041
771-2110 (home) or 538-6749 (work)

EDUCATION: 1983, B.S., Geology, Weber State College, Ogden, Utah
1987, M.S., Geology, Brigham Young University, Provo, Utah
1986, Utah Teachers Certificate, Re-certified 1993-1998

EXPERIENCE: August 1988 to Present, Environmental Scientist/Geologist, Utah Division of Solid and Hazardous Waste-RCRA. Duties performed include: managing large projects and contracts, writing RCRA permits; performing environmental site assessments; performing RCRA inspections, writing environmental reports; negotiating settlements; collecting soil and groundwater samples; reviewing sample and analysis plans; conducting public hearings and responding to public input; reviewing plans for clean up of contaminated sites and plans for site closures; acting as regulatory project manager for site soil and groundwater cleanups; interpreting regulations and writing positions papers; (see addendum below).

Winter 1995 & Fall 1997, Adjunct Professor, Columbia College, Salt Lake City, I taught historical geology and physical geology.

Summer 90, Fall 91, Winter 92, Adjunct Professor, Weber State College. I taught night school classes (Geology 101 and Geology 111)

February 1987 to June 1988, Science Teacher, Provo High School. I taught physical/earth science, duties included; teaching classes, grading papers, and managing about 90 kids/day.

August 1983 to December 1986, Teaching Assistant at Brigham Young University (Geology classes).

Summer 1985, Geologist for North American Exploration and Teaching Assistant at Brigham Young University. I staked claims and did geologic mapping.

Summer 1984, Geologist for Meyers Resources, duties included mapping, collecting soil samples, and staking claims in central Nevada.

Summer 1983, Geologist for Champlin Petroleum Co., Denver, duties included data analysis and mapping related to oil production.

Summer 1978, Technician for the US Forest Service, Ashton, Idaho. I mapped clear cuts and areas where trees were to be planted. I used compass and tape to map the areas and did plots to determine if an area needed to be planted.

ACHIEVEMENTS: Publication of my thesis work in BYU Geology Studies. Thesis title: Conodont Faunas of the Lower Siponodella crenulata Zone in Utah.

U.S. Environmental Protection Agency Grant, 1990
Tuition scholarship, BYU, 1985
ASBYU research grant 1984

Ten year DEQ employee - Five DEQ Incentive Awards

Addendum

Since August of 1988, I have worked on several different types of environmental projects. Details are presented below:

Management of Environmental Site Investigation and Remediation Projects

1. As regulatory project manager for corrective actions, closures and interim measures, I evaluated soil and groundwater sampling and analysis plans, risk assessments and site remediation plans. The types of units assessed include landfills, storage areas, surface impoundments, sumps, petroleum tanks and waste piles. I have collected groundwater, soil and waste samples as part of the cleanup process for these sites and I am familiar with many types of sample collection methods and EPA analytical methods. I am also familiar with procedures for submitting samples to the State Health Laboratory. I have teamed with EPA on several of these projects.
2. I am familiar with EPA risk assessment protocols (RAGS) and I have reviewed and evaluated human health and ecological risk assessments. I have a good understanding of the information needed to complete a risk assessment and the types of decisions that are based on risk assessment. I have also teamed with EPA and DEQ risk assessors as project manager.
3. I have attended numerous training seminars and I am familiar with EPA, ASTM and other guidance documents related to environmental sampling. I am also familiar with review of analytical data from a regulatory perspective (e.g., evaluation of chain of custody, holding times, surrogate recoveries (MS/MSD), dilutions, detection limits etc). I am also familiar with US Geological Survey ModFlow groundwater modeling software.
4. I acted as project manager for removal and management of chemical agent contaminated soil generated by US Army Dugway. This project involved characterization of soil, on site treatment of soil and shipping the soil off site. This project required coordination with Army, Centers for Disease Control (CDC), safety, TSDF and other organizations.
5. I acted as regulatory project manager for design and set up of a system capable of cleaning up a large volume (estimated 36 billion gallons) of Trichloroethene contaminated groundwater. This project took several years to complete and required close coordination with the US Army Corp of Engineers to design a well system and air stripper. As part of the project, I also did oversight on installation and startup of the treatment system and installation of groundwater extraction, injection and monitoring wells.
6. I have been technical project manager for contract work. The contracts managed included preforming training, review of documents and field oversight. I tracked contractor work quality and cost to ensure that contract requirements were met. This included a one year contract through EPA for a full time employee. I made assignments to this employee and did an employee performance review.

Environmental Permitting

1. I have written three RCRA facility assessments (RFAs) and been part of the assessment team for about five other facility assessments. The three assessments involved identification and evaluation of contaminated sites at two military bases and one large explosives manufacturing facility. The assessment involves pre-inspection records review, interviews with site workers, visiting each site and preparing a report. The reports describe each site and make recommendations about the need for sampling, risk assessment or cleanup.

2. I acted as project manager two RCRA hazardous waste storage permits and was assigned to oversight permit compliance. The storage permits allow facilities to store hazardous waste on site for extended periods. The permits also include requirements for investigation and clean up of the contaminated sites identified in site assessments. One of the permits allows storage of hazardous waste and hazardous materials together and is operated by Defense Reutilization and Marketing Office (DRMO).

3. I wrote two RCRA Research Development and Demonstration (RD&D) permits. One of the permits involves treatment of hazardous waste munitions by cryo cooling and crushing and other permit involves treatment of chemical agent by chemical neutralization.

4. I wrote a RCRA Post-Closure Permit that included corrective action requirements for cleanup of groundwater contamination and for about 47 Solid Waste Management Units (SWMUs). I was regulatory project manager for installation, startup and prove out of the groundwater treatment system and for oversight of the RCRA Facility Investigation (RFI).

5. I have reviewed several Subpart X permit applications for open burning and open detonation of reactive wastes. I was a member of the EPA permit writers Subpart X workgroup that developed EPA guidance for permitting of Subpart X units. I was also a member of the workgroup that wrote the Utah guidance for Subpart X permitting.

Compliance and Other Projects

1. I have been both team leader and team member for numerous RCRA compliance inspections. I also wrote associated inspection reports, notices of violation (NOV) and consent orders to resolve NOVs. I have also calculated penalties, negotiated settlements and worked with facilities to develop plans for compliance and for supplemental environmental projects. I have been part of the team for EPA multimedia inspections.

2. I completed a comprehensive groundwater monitoring evaluation (CME) that included an evaluation of 11 different groundwater monitoring well systems. This involved observing well installation and sampling, reviewing well logs and well completion records and collecting groundwater samples. This evaluation was part of a state-EPA agreement (SEA).

3. I track my corrective action, permitting and compliance work for entry into RICRIS. RICRIS is the system used by EPA to track and record environmental work completed by the state.

4. I participated as part of a trial burn team with EPA to oversight trial burn activities at a chemical agent incinerator located on Johnston atoll. Johnston atoll is located about 700 miles west of Hawaii.

5. I was part of the national military munitions rule and range rule (MMR) group. This group provided input to EPA and the Army in developing the military munitions rule and the range rule. This group developed guidance that is now included in the MMR.

6. I have made presentations to the Solid and Hazardous Waste Control Board regarding permitting and compliance activities. I also made presentations to EPA, US Army Corps and other groups.

7. I have conducted public hearings, written notices to newspapers and radio and I have responded orally and in writing to public comments. I have interacted with Sierra Club, Families Against Incinerator Risk (FAIR) and other citizen environmental groups.

Bronson W. Hawley

Utah Department of Environmental Quality
P.O. Box 144880
Salt Lake City, UT 84114-4880
(801) 538-6170 (work)

Professional History

Environmental Scientist

1994-Present

Utah Department of Environmental Quality

- Conducts RCRA Compliance Inspections of Hill Air Force Base and Utah Test and Training Range.
- Corrective Action Project Manager for Hill AFB & UTTR, oversees characterization and remediation of numerous sites with both soil and groundwater contamination.
- Represented the Utah Department of Environmental Quality on the Interstate Technology and Regulatory Cooperation Work Group developing national policy for the adoption of new remediation technologies.

Senior Geophysicist

1985-1993

Applied Geophysics Inc.

- Managed data processing department that significantly increased quality and productivity, while decreasing required manpower by 25%.
- Wrote concise, high-quality project summary reports that improved customer understanding of data and interpretations and increased percentage of return clients.
- Made technical sales presentations to major and independent oil companies; wrote proposals and negotiated contracts that resulted in more than 50 signed agreements.

Geologist, Ph.D. Degree

1980-1990

University of Utah

- Studied theory and applications of groundwater modeling, including review and critique of hazardous waste site case histories. Received a grade of 'A' and an excellent evaluation.
- Organized and executed field logistical operations for a three month geologic mapping and sample collection project on the Kenai Peninsula of Alaska which accomplished all goals.
- Taught introductory geology course, achieving a high level of understanding by students and

excellent evaluations as an instructor.

Geophysicist
Phillips Petroleum Company

1979-1980

- Managed quality control program for a \$1M marine seismic survey, insuring a high degree of confidence in future exploration relying on that data.
- Integrated marine seismic and geologic data for a California oil exploration project, including determination of well locations and presentation of results to management.

Geophysicist, M.S. Degree
University of Utah

1977-1 979

- Wrote the first computer modeling routine to simultaneously solve for both earthquake locations and 3D earth structure, using an iterative approach. I was awarded the Master of Science Research Award for this project.
- Conducted microearthquake surveys, including deployment and maintenance of portable field stations in Utah, Idaho and Wyoming, obtaining excellent final data quality.
- Operated a year long earthquake prediction survey of the Wasatch Fault, Utah, showing conclusively that the existing approach would not work for the Wasatch Fault.

Education

University of Utah
Doctor of Philosophy
Geology

University of Utah
Master of Science
Geophysics

University of Montana
Bachelor of Science
Physics

R E S U M E

DAVID C. SCHEN
1594 W. North Temple, Ste. 3520
Salt Lake City, UT 84114
801-538-5504 (office)

EDUCATION

A.A.S. PRE-PROFESSIONAL FORESTRY February 1969

Paul Smith's College, 1967 - 1969
Paul Smiths, New York.

B.S. FOREST RECREATION/MANAGEMENT June 1971

Utah State University, 1969 - 1971
Logan, Utah.

PROFESSIONAL EXPERIENCE

ECOSYSTEM MANAGEMENT COORDINATOR December 1995 - Present

Utah Division of Forestry, Fire, & State Lands
1594 West North Temple, Suite 3520
Box 145703
Salt Lake City, Utah 84114-5703

As Ecosystem Management Coordinator I am responsible for the administration of the Division's Technical Assistance/Resource Programs Work Unit. This work unit encompasses state office resource program staff including Forest Stewardship, Urban Forestry, Minerals Management & Leasing, Forest Health, Fire Management, and the Lone Peak Conservation Center (Nursery & Conservation/Fire Crews). My position reports directly to the State Forester.

FOREST STEWARDSHIP COORDINATOR July 1982 - November 1995

Utah Division of Sovereign Lands & Forestry
3 Triad Center, Suite 425
355 West North Temple
Salt Lake City, Utah 84180

As Forest Management Coordinator I was responsible for the administration and development of the forest stewardship and stewardship incentives programs. Prior to the legislative split of

State Lands & Forestry in July 1994 I was also responsible for forest products sales programs on state trust lands. Prior to 1990 I had oversight responsibility for the division's urban forestry, agro-forestry, forest pest management, forest products utilization, and nursery programs.

Since 1990 I have been successful in securing federal grants and guiding prioritization of available FTEs. This allowed the division to staff the agro-forestry, forest pest management, and urban forestry programs. Management and organizational input provided to the State Forester has resulted in restructuring of the nursery/conservation center. Recent funding of the forest stewardship program has allowed development of the division's field infra-structure.

Specific responsibilities have included budget development and administration, federal grant negotiations, policy analysis and development, program targeting and reporting, identification of program needs and priorities, inter-agency & legislative liaison, development of uniform standards and procedures, special projects, supervising unit personnel, and leadership for the Forest Stewardship Coordinating Committee.

While on a six month detail to the USDA - Forest Service (S&PF, R-4) in 1990, I chaired the Western Urban Forestry Committee established by the Council of Western State Foresters and the seven western Forest Service regions. In 1991 I also served on a national Stewardship Incentives Program (SIP) public information task group detailed to the Forest Service's Washington Office, Coop. Forestry. I served on the Council of Western State Forester's Western Stewardship Committee (October 1992 - December 1995) and served as its chairman from October 1993 through December 1994.

NORTHERN REGIONAL MANAGER

November 1978 - July 1982

Division of State Lands & Forestry
Salt Lake City, Utah

The northern region was comprised of Utah's 14 northern counties and included three area offices staffed by four full time professional foresters and twelve seasonal fire-wardens. The professional staff included a secretary and three area (service) foresters.

As Regional Manager my responsibilities included the overall supervision of regional personnel and delivery of division programs. Division programs included resource management and forest product sales on state trust lands, private forestry assistance, urban forestry, fire management, and forest products

utilization. Other responsibilities included budget preparation and administration, negotiating county and interagency agreements, inter-regional coordination, and setting area level program targets.

BEAR RIVER AREA FORESTER

June 1973 - October 1978.

Division of State Lands
Section of Forestry and Fire Control
Logan, Utah

The Bear River Area was comprised of the three northern most counties in Utah. As Area Forester, I supervised three seasonal fire-wardens and one full time RC&D Forester. Duties involved objective setting (MBO), budget preparation, and on the ground delivery of the division's service forestry programs.

Program involvement included fire management, resource conservation & development, private forestry assistance, urban forestry, forest products utilization, and timber sales on state lands. The position also required a close liaison and coordination with county and regional government officials and agency representatives.

RC&D FORESTER

November 1971 - June 1973

Division of State Lands
Section of Forestry and Fire Control
Brigham City, Utah

As Resource Conservation & Development (RC&D) Forester I was responsible for inventory of state and private forest lands in the Bear River Area. I was also responsible for publication of inventory findings.

SEASONAL EXPERIENCE

COMPLIANCE CHECKER

1970 & 1971

Flaming Gorge National Recreation Area
Ashley National Forest, Utah

Responsibilities included collection of fees, public contact, law enforcement, fire suppression, and timber stand improvement.

FOREST TECHNICIAN

1969

Supervisor's Office
Ashley National Forest, Utah

Responsibilities included collection of watershed data for the Central Utah Project, Duchesne Ranger District, Rock Creek drainage.

LABORER

1967 & 1968

Iroquois Gas Company (National Fuel)
Wellsville, New York

Labor involving installation and maintenance of natural gas service & distribution lines.

ROUSTABOUT

1966 & 1967

Bradley Producing Company (Bradley Resources)
Bolivar, New York

Labor involving drilling and bringing new oil wells on line and maintenance of related crude oil production facilities.

TRAINING & QUALIFICATIONS

Administrative Management, 1973.
Land Use Planning, 1974.
Reforestation Planning, Supervision, and Contracting, 1974.
Insect and Disease Workshop, 1975 & 1980.
Instructor Training, 1975. Assisted as an instructor for the Division in 1977 & 1978. Served as an Instructor at sessions for the Nevada Division of Forestry in 1977 and the Idaho Department of Lands in 1980.
State & Private Forestry Workshop, 1975.
Fuel Management Workshop, 1976.
Management by Objectives, 1976.
Timber Appraisal Training, 1977.
Organizational Management for Managers, 1977 & 1982.
Forestry Salesmanship Workshop, 1980.
Timber Sales Administration, 1982.
Reforestation Planning, Supervision, and Contracting, 1974.
Insect and Disease Workshop, 1975 & 1980.
Timber Appraisal Training, 1977.
Timber Sales Administration, 1982.
Logging Systems Planning & Layout, 1983.
PROGNOSIS - FVS, 1994.
Forest Pest Management For Silviculturists.
Continuing Education for Ecosystem Management (CEEM-1), 1995

Advanced Silviculture Training, 1995

Fire Qualification & Certification Record, See Attached.

ACTIVITIES

Great Basin Type I Incident Management Team, 1985 - 1993.

Division Supervisor, 1985 - 1987.

Operations Section Chief 1988 - 1993.

Type II Incident Management Team, OSC, 1995 - 1996

RUL, 1997-present

Utah Acid Deposition Technical Advisory Committee, 1987-1988.

State Nursery Task Force, 1988, Exec. Secretary.

Utah Arbor Day Committee, Chairman 1988 - 1990.

Utah Gypsy Moth Decision & Action Committee, 1988 - 1990.

Chairman, Utah Forest Stewardship Coordinating Committee.

CWSF Zone Representative, Western Stewardship Committee.

PUBLICATIONS

RC&D Release # 1, State & Private Resources, Cache County, Utah,
A Timber Inventory, May, 1972.

RC&D Release # 2, State & Private Forest Resources, Bear River
Area, Utah, A Timber Inventory, June 1975.

"Prescribed Burning - Effective Control of Sagebrush & Juniper",
Utah Science Magazine, Volume 36, Number 3, September 1975.

I have also supervised or contributed to several other publications
including the "Community Forestry Manual"; "Ornamental & Shade
Trees for Utah"; "Utah Wood As A Renewable Energy Resource"; "Tree
& Shrub Planting Guide for Utah & Nevada"; "Utah SIP Handbook"; and
a variety of pamphlets.