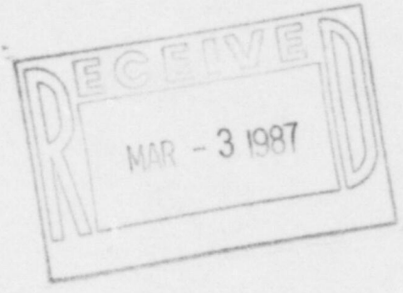
SEQUOYAH FUELS CORPORATION

POST OFFICE BOX 25861 • OKLAHOMA CITY, OKLAHOMA 73125

RE: 8714

February 27, 1987

CERTIFIED MAIL - RETURN RECEIPT REQUESTED



R.D. Martin, Regional Administrator
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Re: License SUB-1010, Docket 40-8027
Resumes & Work Statements
For IOT Members

Dear Mr. Martin:

Enclosed for your review and approval are resumes and the required prior-work statements for three individuals who could be chosen to represent Kerr-McGee Corporation on the Independent Oversight Team (IOT) for the Sequoyah Facility. They are: Donald S. Batchelor, John A. Hermann, Harold F. Wing. Please note that the three individuals named have never been employed at Sequoyah Facility, by Kerr-McGee Corporation, Kerr-McGee Nuclear Corporation or the Sequoyah Fuels Corporation.

If you have any questions, please contact me at your earliest convenience.

Sincerely,

J. C. Stauter

John C. Stauter, Director
Nuclear Licensing and Regulation

JCS/JTC/jkw

Enclosure as Stated

87-316

IE-07

RE: 8714

A F F I D A V I T

STATE OF OKLAHOMA
COUNTY OF OKLAHOMA

SS: License SUB-1010; Docket 40-8027
Order Modifying License
Resumes & Work Statements
For IOT Members

I, James G. Randolph, President, Sequoyah Fuels Corporation, hereby attest that the facts contained in the attached documents are accurate to the best of my knowledge.

James G. Randolph, President
Sequoyah Fuels Operations

Subscribed and sworn before me on this 27TH day of FEBRUARY, 1987.

Mary Jo Hankins
Notary Public

My Commission Expires:

4-15-89

DONALD S. BATCHELOR

Educational Background:

B. Chemical Engineering, Syracuse University, 1958
Industrial Quality Control, Univ. Of Tennessee, 1981
Managing People, Wharton School-Univ. Of Pennsylvania, 1980
Chlorine Safety-Emergency Response, Chlorine Insitute, 1958
Electronics Technician School, U.S. Navy, 1946-1948

Employers and Experience:

1986-Present — Donald S. Batchelor and Associates, Inc. Independent engineering and marketing consultant to the inorganic chemicals manufacturing and consuming industries.

1960-1986 — Kerr-McGee Chemical Corporation, a producer of a broad spectrum of electrolytic, inorganic, and agricultural chemicals such as: chlorates and perchlorates, boron products including boric acid and boron trichloride and tribromide, organophosphates, electrolytic manganese dioxide and metal, sodium and potassium salts, phosphates, and pigments. Manager of New Product Development from 1984. Responsible for product definition, evaluation, and market development of "new" products from existing raw materials and manufacturing facilities. Position required activities covering in-ground resources evaluation to manufacturing to industrial consumer trials.

Previous assignments included Manager of Special Projects in the Executive Vice Presidents office, Director of Technical and Marketing Services, and Manager of Technical Service. As group director, was responsible for departments such as technical and engineering services, hazardous materials and regulatory compliance, technical and safety publications, packaging, consumer safety, and market support activities such as graphics, advertising, and sales personnel recruiting and technical training. These assignments provided a high level of responsibility and experience across a broad range of technical, manufacturing, and management activities.

1964-1968 — American Potash and Chemical Corporation. Manager of Pulp and Paper Industry Technical Services, providing industry oriented engineering and technical support activities in chlorine dioxide generation, safety, and use, wood pulping, pulp bleaching, and sodium chlorate handling and storage system design and safety.

1953-1964 — Allied Chemical Corporation--Solvay Process Division. Senior engineer and project leader in

chlorine dioxide generation and bleaching systems and chemicals manufacturing, handling, and storage systems design and startup activities from 1958-1964. A partial list of systems would include chlorine, sodium and potassium hydroxide; 50% and 70% hydrogen peroxide; sulfur dioxide, sodium, calcium, magnesium, and ammonium bisulfites, sulfites, and acid sulfites; sodium and calcium hypochlorites; methyl alcohol; chlorates. Provided troubleshooting and safety functions.

From 1953 to 1958 progressed through various engineering classifications. Participated in the initial work on chlorine dioxide manufacture from research to pilot and commercial plant design, operation, troubleshooting, and system modification/reengineering.

Memberships (Currently Inactive)

American Institute of Chemical Engineers
American Chemical Society
Technical Association of the Pulp and Paper Industry
Canadian Pulp and Paper Association
Paper Industry Management Association
American Ceramic Society

Significant Accomplishments:

* Chemical Safety

- Conceived and developed a sodium chlorate safety program for consumers that reduced markedly fire, explosion, and personnel incidents. The success of the program motivated other producers to develop mirror programs.

- Conceived and developed an incident response action for methyl parathion, a neurotoxic organophosphate pesticide. Other producers ultimately joined to provide an industry-wide rapid response effort for personnel contamination or transportation incidents.

- Guided design and operational changes in chlorine dioxide systems to minimize decompositions of this highly unstable and explosive gas. Participated in the basic research to identify materials of construction and operational and layout conditions to minimize decomposition initiators.

- Conceived, developed, and manufactured a low toxicity, nonflammable, no-odor, sodium chlorate based agricultural defoliant to replace odiferous and toxic arsenic organophosphate based products. Was issued U.S. Patent.

STATEMENT

I, Donald S. Batchelor, attest to the accuracy of the attached resume. I have never been employed at the Sequoyah Facility by the Kerr-McGee Corporation, the Kerr-McGee Nuclear Corporation, or the Sequoyah Fuels Corporation.

2/26/87
Date

Donald S. Batchelor

JOHN A. HERMANN

Educational Background:

Ph.D., Chemistry, University of New Mexico, 1956
B.S., Chemical Engineering, New Jersey Institute of Technology, 1942

Employers and Experience:

1956-1986 Kerr-McGee Corporation. Principal Chemist (1983-1986). Supervised group investigating processes to extract or immobilize thorium-radium radioactivity from residues of the West Chicago rare earth facility.

Kerr-McGee Chemical Corporation. Technical Staff, Senior Scientist (1980-1983). Responsible for specialized portions of scientific studies and examinations relating to plant facilities, with special emphasis on the Hobbs potash, the Argus soda ash and the Soda Springs vanadium facilities.

Project Manager (1969-1980). Originated, coordinated and administered technical projects to restore or to improve the operating efficiency and profitability of the Chemical Corporation's manufacturing plants. Acted as technical consultant to the Technology Division and the manufacturing plants, and as liaison between the Chemical Corporation and the Technology Division. Projects included adaption of Kerr-McGee solvent extraction technology to recovery of vanadium and uranium from western wet process phosphoric acid; development of a chemical-material balance model from the Trona Facility to show the connection between overall recovery and individual operation of the steam evaporators, potash and borax plants; origination, construction and operation of a concept to increase the feed brine concentration by interaction between the steam evaporators and the solar pond evaporators; participation in the project evaluation team that examined process alternatives for Searles Lake and resulted in the Argus Facility.

Assistant Plant Manager, Hobbs Potash Facility (1967-1969). Responsible for all surface plant activities including production, maintenance, technical and analytical services. Involved with startup and modification of crystallizer equipment and operations to achieve design capacity.

Research Group Leader, Process Chemistry, Technology Division (1964-1967). Process development, plant design and startup of Soda Springs vanadium and Hobbs potash facilities.

Research Engineer (1956-1964). Conceived leach-crystallization process for potash recovery from Hobbs sylvanite ore, and methanol solvent extraction process for recovery of lithium chloride from spodumene ore. Process studies for extraction of vanadium from Monsanto ferrophosphorus and uranium from Ambrosia Lake ore. Participated in controversy over estimation of uranium ore reserves by sensing radioactivity. The arbitration was successfully resolved using advanced statistical analysis concepts.

1946-1956 University of California. Staff Member, Los Alamos Scientific Laboratory. Process chemistry, separation and recovery of plutonium and americium.

1944-1946 U. S. Army. Special Engineering Detachment, Los Alamos Scientific Laboratory. Development and production of explosive lenses for the first three atomic bombs.

1944 Union Carbide. Research Engineer, Manhattan Project, Columbia University. Development of electrochemical process for producing uranium hexafluoride diffusion barriers.

1942-1944 Hercules. Line Supervisor for startup and production of explosives for small arms, mortar and anti-tank weapons. Supervised 200 employees.

Memberships and Honors:

American Chemical Society
The Society of Sigma Xi (Research
Tau Beta Pi (Engineering)
Phi Kappa Phi (Scholastic)

STATEMENT

I, John A. Hermann, attest to the accuracy of the attached resume. I have never been employed at the Sequoyah Facility by the Kerr-McGee Corporation, the Kerr-McGee Nuclear Corporation, or the Sequoyah Fuels Corporation.

John A. Hermann Feb 23, 1987

John A. Hermann Date

HAROLD F. WING

Educational Background:

B.S., Chemical Engineering, University of Washington, 1949

Employers and Experience:

1985-Present Retired

1968-1985 Kerr-McGee Corporation
1976-1985 Manager, Project Engineering Department, Technology Division.

Responsible for providing the technical expertise and administrative leadership for developing, testing, and evaluating new and innovative technology with the ultimate objectives of either commercial application in both existing and prospective Kerr-McGee mining and manufacturing operations or process licensing. This included responsibility for 6-8 highly qualified professionals (engineers, chemists, geologists) and up to 50 operating personnel. Typical projects during this period included (1) the design, construction and safe operation of a 2.5TPD supercritical fluid extraction pilot plant for removal of coal values from ash-containing products of solvent refined coal plants; (2) design, construction and safe operation of a 2.5TPD solvent refined coal pilot plant; (3) design, assembly and safe operation of a solvent extraction pilot plant for removal of uranium and vanadium from phosphoric acid; (4) design of a remote controlled coal mining machine built to operate submerged in water and (5) design and operation of pilot facilities for establishing the hydrology of solvent extracting uranium from underground deposits and soda ash from the trona beds beneath Searles' Lake in Trona, California.

1975-1976 Manager of both the Process Development and Surface Chemistry Sections, Kerr-McGee Technical Center, Technology Division.

This position was also responsible for maintenance of the Technical Center.

1973-1975 Manager, Surface Chemistry Section, Kerr-McGee Technical Center.

Responsible for titanium dioxide pigment research, both process and pigment surface chemistry development.

1969-1973 Consulting Engineer, Economic and engineering studies of coal drying and coal conversion processes, titanium dioxide pigment processes and other chemical processes.

1968-1969 Senior Process Engineer
Prepared debottlenecking studies for the Kerr-McGee titanium dioxide plant.

1966-1968 Kaiser Aluminium & Chemical Corporation, Oakland, California.
1966-1968 Process Engineer

Developed processes involved in producing magnesium metal from magnesium chloride brines and processes for producing insecticides. Evaluated existing processes in connection with possible mergers. Worked as a project engineer on certain aspects of a proposed Peruvian phosphate mining operation.

1956-1966 American Potash & Chemical Corporation
Los Angeles, California

1963-1966 Assistant Project Manager during design, construction and start-up of Kerr-McGee's commercial titanium dioxide pigment plant. The work involved project engineering, equipment specification and selection, flowsheet preparation, preparation of process and operating manuals, and start-up assistance when the plant was completed.

1962-1963 Resident Engineer, living in England. Process engineering and pilot plant data evaluation for a new chloride titanium dioxide pigment process.

1956-1962 Research & Process Development Engineer. Responsible for technical and economic evaluation of new and proposed processes.

1953-1956 Food Machinery and Chemical Corporation

1954-1956 Shift Supervisor, Production Supervisor and Maintenance Engineer, Westvaco Mineral Products Division, Lawrence, Kansas. The plant manufactured phosphoric acid (furnace), polyphosphates, and dry ice.

1953-1954 Project Engineer, Central Research Department, San Jose, California. The work involved pilot plant development of a process converting air at very high temperatures to nitric oxide and then to nitric acid. Worked as a shift supervisor during test runs.

1952-1953 American Metallic Chemicals Corporation
Portland, Oregon

1952-1953 Process Development Engineer and Shift Supervisor. This was a semi-works plant developing an electrolytic manganese dioxide process.

1949-1952 Bonneville Power Administration
Materials Testing Laboratory
Portland, Oregon.

Responsible for chemical and physical testing of purchased materials; writing specifications for chemicals, concrete, paint; paint testing; and cooling tower water treatment.

Memberships, Licenses, and Honors:

American Institute of Chemical Engineers

STATEMENT

I, Harold F. Wing, attest to the accuracy of the attached resume. I have never been employed at the Sequoyah Facility by the Kerr-McGee Corporation, the Kerr-McGee Nuclear Corporation or the Sequoyah Fuels Corporation.

Harold F. Wing 2/21/87

Harold F. Wing