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 AUTH. NAME: SORENSEN, G.C. AUTHOR AFFILIATION: Washington Public Power Supply System
 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Forwards resumes of individuals w/previous startup or licensed operating experience, per SER Section 13.1.2.1. SER (NUREG-0892) License Condition 10 closed.

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Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

November 11, 1983
G02-83-1043

Docket No. 50-397

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Schwencer:

Subject: NUCLEAR PROJECT NO. 2
SAFETY EVALUATION REPORT, NUREG-0892,
CLOSURE OF LICENSE CONDITION 10,
BWR STARTUP OR OPERATING EXPERIENCE

In section 13.1.2.1 of the WNP-2 SER, the staff has stated the requirement that during initial operation of WNP-2 the plant shall have an individual with previous startup or licensed operating experience on a comparable BWR on each operating shift.

The Supply System will satisfy this requirement by use of Operations Department supervisory individuals, technical staff Shift Technical Advisors (STAs) and/or General Electric Company Startup Test & Operations (STOs).

Attached are resumes for the individuals we plan to use to satisfy the requirement of SER 13.1.2.1. The resumes have been reviewed by D. Willet of Region V. Should you have any further questions, please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,

G. C. Sorensen

G. C. Sorensen, Manager
Regulatory Programs

JWB/tmh
Attachments

cc: R Auluck - NRC
WS Chin - BPA
AD Toth - NRC Site
D Willet - NRC Region V

*13001
1/1*

Title: ~~Shift Support Supervisor~~ SHIFT SUPPORT SUPERVISOR

Name: Billy J. Hahn

Education: 1963 Graduated United Township High School, East Moline, Illinois
1970 Completed 40 hours credit Blackhawk Jr. College, Moline, Illinois

Training: 1970 Power Plant Fundamentals - Commonwealth Edison
Electrical Transmission Fundamentals - Commonwealth Edison BWR Systems Introduction - Commonwealth Edison
1974 RO/SRO Training Program - Commonwealth Edison
BWR Simulator - RO Certification, Morris, Illinois
1975 Annual Retraining - GE BWR Simulator
1980 Annual License Retraining - Commonwealth Edison
1982 10 weeks Systems & Procedures Course
1982- WNP-2 Cold License Training
1983

Experience: 1981 - Present Washington Public Power Supply System
Control Room Supervisor
1980 - 1981 Washington Public Power Supply System
Senior Reactor Operator
1975 - 1980 Commonwealth Edison, Cordova, IL, Nuclear Station Operator, RO License (Two 827 MWe GE BWR units)
1974 - 1975 Commonwealth Edison, Cordova, IL
Equipment Operator
1970 - 1974 Commonwealth Edison, Cordova, IL
Equipment Attendant
1964 - 1970 International Harvester, East Moline, Illinois
Maintenance, Assembly, Shipping Departments

Experience (cont'd)

1973 - 1978 Florida Power & Light
 (Turkey Point Plant),
 Reactor Engineer

Supervise and perform reactor Startup and
Physics Testing, Periodic Reactor Physics
Testing, writing of core refueling
shuffles, and accounting of nuclear fuel
inventory.

1980 - 1981 Florida Power & Light
 (Turkey Point Plant),
 Nuclear Watch Engineer

Operating foreman for Nuclear Units 3
and 4.

1981 - 1982 Washington Public Power
 Supply System
 Shift Manager, WNP-1

Participated in the Senior Reactor
Operator Licensing Program. Review and
preparation of operating procedures for
WNP-1.

1982 - Present Washington Public Power
 Supply System
 Shift Manager, WNP-2

Participating in the Senior Reactor
Operation Licensing Program.

EXPERIENCE SUMMARY

For
Joe Walker

EDUCATION

<u>School</u>	<u>Curriculum or Major</u>	<u>Dates Attended</u>	<u>Degree</u>
Lincoln Senior High East St. Louis, Ill.	Science	02/66-06/68	Diploma
Texas A&M University College Station, Tx.	Nuclear Engineering	06/75-12/77	B.S. Nuc. Eng.

ADDITIONAL SCHOOLS, COURSES, OR TRAINING

<u>Training Location</u>	<u>Course</u>	<u>Completion Date</u>	<u>Document</u>
Westinghouse Naval Reactors Facility Idaho Falls, Idaho	Nuclear Plant Engineering School	June 1978	Certificate
General Electric Training Facility San Jose, California	Safety Relief Valve Rebuild Course	April 1979	Certificate
General Electric Training Facility San Jose, California	Control Rod Drive Mechanism Rebuild Course	May 1979	Certificate
General Electric Company Classroom Training San Jose, California	Abbreviated Station Nuclear Eng. Course	May 1979	Certificate
Boil Water Reactor Training School Morris, Ill.	Certification Course For Dresden Unit 2	July 1979	Certification
In House Recertification Boiling Water Reactor Kuo Sheng Power Station Taiwan	Certification Course For Kuo Sheng Unit 2	Sept. 1981	Certification

WORK EXPERIENCE

02/70-06/70 Illinois Central Railroad
South 20th St., St. Louis Ill.

CARMAN HELPER: Assist in repair of Railroad freight cars.

02/71-02/75 U.S. Air Force

FLIGHT SIMULATOR SPECIALIST: Instructor to U.S. and South Vietnamese Air Force pilots on various fighter jets. Also taught emergency procedures on this aircraft.

12/77-07/79 Westinghouse Electric Corp.
Naval Reactors Facility
Idaho Falls, Idaho

NUCLEAR PLANT ENGINEER: Involved in day to day operation and naval personnel training on naval prototype reactor.

04/79-02/80 General Electric Company, Nuc.
Energy Business Group
San Jose, Ca.

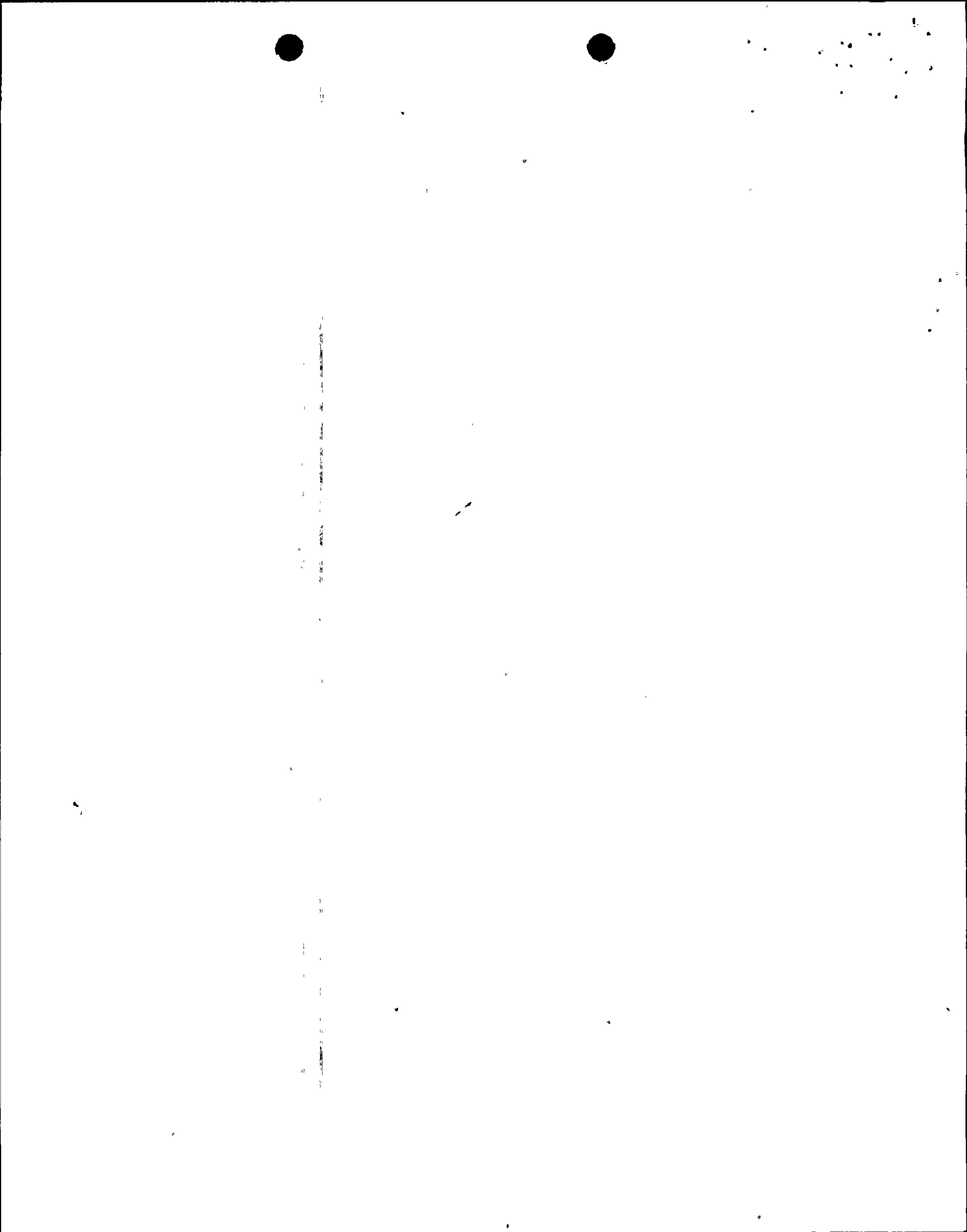
PREOPERATIONAL TEST ENGINEERING: Involved in writing various G.E. BWR site preop test instructions.

02/80-12/82 General Electric Technical Services
Taiwan

STARTUP TEST OPERATIONS ENGINEER: On Kuo Sheng Power Station 1 - a) Wrote and reviewed preoperational test procedures. b) Performed preoperational test of the Control Rod Drive and Standby Liquid Control System. c) Reviewed various Utility surveillance procedure. d) Shift supervisor during performance of Hot Recirculation System Function Test. e) Shift supervisor during performance of fuel load of unit one reactor. On Kuo Sheng Power Station Unit 2 - a) Wrote and reviewed preoperational test procedures. b) Performed preoperational test of the Reactor Water Cleanup, Nuclear Boiler Instruments, Main Steam, and Steam Bypass and Pressure Regulation Systems. Also assisted in preoperational testing of the Safety Relief Valve System. c) Shift supervisor during performance of Recirculation System Function Test and Site Coordinator for Reactor Vessel Hyd. d) Shift supervisor during performance of fuel load of unit two reactor. e) Shift supervisor during unit two reactor power ascension testing and warranty redemonstration.

01/83-09/83 General Electric Company
Nuclear Field Services Engr.

STARTUP TEST OPERATIONS ENGINEER: Organized and supervised non GE Engineers (approx. 10) for the purpose of writing test spec. required instrument surveillance procedures. Reviewed various surveillance procedures for the Utility such as instrument, operability, abnormal and HP/Chemistry surveillance procedures. Acted as consultant on the Control Rod Drive System, for the Utility.



Title: Shift Manager

Name: Michael G. Kappl

Education: 1960 Graduated Wauwatosa High School,
Wauwatosa, Wisconsin
1980- Shift Supervisor Academic Upgrade
1981 Project Joint Center for Graduate
Study, Richland, Washington

Training: 1963 U.S. Navy Electricians Mate "A"
School, Great Lakes Naval Training
Center
1964 U.S. Naval Nuclear Power School,
Vallejo, California
1971 NUS Basic Nuclear Course
Cedar Rapids, Iowa
1971 Reactor Research Training
Ames, Iowa
1972 General Electric BWR Simulator
Course (SRO)
Morris, Illinois
1982- WNP-2 Cold License Training
1983

Experience: 1975 - Present Washington Public Power
Supply System
Shift Manager, WNP-2

Develop administrative, surveillance,
operational, and test procedures. Func-
tion as instructor and develop training
lesson plans for the Power Plant Princi-
ples Training Program. Assume responsi-
bility on a scheduled bases for plant
operation in support of WNP-2 Startup Test
Program.

1971 - 1975 Duane Arnold Energy Center
Iowa Electric Light and
Power Company
Shift Supervisor

Responsible for all plant activities on an
assigned shift. Experience included plant
construction, startup, operation, and
refueling. AEC Senior Operators License
SOP-1984.

Experience (cont'd)

1968 - 1971 Knolls Atomic Power
Laboratory, SSG Prototype,
Idaho Falls, Idaho

Responsibilities included training of officer and enlisted students, as well as all phases of plant operation. Qualifications included Engineering Officer of the Watch, Engineering Watch Supervisor, Reactor Operator, Electrical Operator.

1965 - 1968 United States Navy
USS Patrick Henry SSBN 599
Electrician

Responsibilities included operation and maintenance of nuclear plant electrical systems.

Title: Shift Manager

Name: George J. Kozlik

Education: 1974 Associate, Mathematics, Blackhawk College, East Moline, Illinois
1977 B.A., Board of Governors Program, Western Illinois University, Macomb, Illinois
1981 41 Semester Hours, Joint Center for Graduate Study, Richland, WA

Training: 1965 U.S. Navy Machinist Mate "A" School Great Lakes Naval Training Center
1970 BWR Technology and System Analysis Course and Quad-Cities Nuclear Station
1971 General Electric BWR Simulator Training, Morris, Illinois, R.O. Certified
1972 Received R.O. License Training Program for Quad-Cities Nuclear Station. Received SRO license from NRC.
1979 3 weeks WNP-2 BWR System Analysis Course
1982 10 weeks WNP-2 Systems and Procedures Course
1982 8 weeks General Electric Station Training Program
1982- WNP-2 Cold License Training
1983

Experience: 1979 - Present Washington Public Power Supply System
WNP-2 Shift Manager

Participate in preparation of system training lessons. Coordinated plant operating procedure writing and approval effort. Assigned shift supervision responsibilities during plant startup program.



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Experience (cont'd)

1978 - 1979 Commonwealth Edison Company
Quad-Cities Nuclear Station
Shift Foreman, Operating

Assigned to assist the Lead Operating Engineer. Responsibilities included the initiation of new programs such as equipment attendant on-the-job retraining and operator responsibility instructions; writing and reviewing procedures; and assisting with operational troubleshooting. In addition, periodically assigned to shift supervision responsibilities.

1976 - 1978 Commonwealth Edison Company
Quad-Cities Nuclear Station
Shift Foreman, Training

Directed the development of and coordinated the operator licensing program, equipment attendant training program, and operator retraining program.

1973 - 1976 Commonwealth Edison Company
Quad-Cities Nuclear Station
Engineering Assistant,
Tech. Staff

Responsible for reorganizing the format and rewriting the station procedures. Also responsible for developing and directing station surveillance programs.

1970 - 1973 Commonwealth Edison Company
Quad-Cities Nuclear Station
Operating Department

Participated, both as an equipment operator and nuclear station operator, in the test and startup programs of both units. Also participated as a nuclear station operator during commercial operation.



Experience (cont'd)

1967 - 1970 Commonwealth Edison Company
 Quad-Cities Nuclear Station
 Operating Department

Assigned to various classifications within
the operating group to participate in the
operation of four fossil units.

Title: Shift Manager

Name: Robert L. Beardsley

Education: 1943 Alma College, Naval V12 Unit
1961 Jackson Junior College, Jackson,
Michigan, Basic Rx Tech., Applied
Rx Physics, Radiation Measurement &
Monitoring

Training: 1961 Vallencitos BWR (GE) Tech. and
on-the-job training
1961 Big Rock Point Tech., BWR
Chemistry, Radio Chemistry, Rx
Tech., Design Lecture Series,
Operations Training
1968 Connecticut Yankee, WE
PWR Tech. and on-the-job training
1968 Combustion Engineering, Windsor,
CT, PWR Design Lecture Series
1975 1 week Combustion Engineering
Simulator, Windsor, CT
1978 Supply System BWR Systems Analysis
Course
1980- Completed Shift Supervisor Academic
1981 Upgrade Program
1982 12 weeks Systems and Procedures
Training Course
1982 8 weeks General Electric, Shift
Technical Advisor Training
Course
1982- WNP-2 Cold License Training
1983

Experience: 1978 - Present Washington Public Power
Supply System
Shift Manager at WNP-2

1977 -1978 Nuclear Startup Services

Participated in startup of D.C. Cook No. 2
3391 MWt.

1969 - 1977 Palisades Nuclear Power
Plant, 800 MWe CE PWR
Plant Shift Supervisor
Operations Supervisor

Experience (cont'd)

1961 - 1968	Big Rock Point Nuclear Power Plant, 75 MWe GE BWR. Control Operator No. 1 Assistant Shift Supervisor
1958 - 1961	J.C. Weadock Steam Plant, 640 MWe Utility Operator, Assistant Sw. Bd. Operator, Auxiliary Operator
1950 - 1958	ESSO Shipping Company, Inc. 115 Broadway, New York, New York Deck Maintenance, Able Seaman, Jr. Third Mate, Third Mate
1948 - 1950	Great Lakes Steaming Company, Cleveland, Ohio A.B. Deckwatch, Wheelsman
1946 - 1948	Self Employed, Commercial Fishing, Lake Huron
1943 - 1946	U.S.N., S 2/C, S 1/C, Cox., BM 2/C

8 March 1981

Arthur K. Wood

569 West Birch Road

Sanford, Michigan 48657

Home (517) 687-7762

Work 517 621-4211

SUMMARY

Engineer with eight years of commercial Nuclear Power Plant Testing/Operational experience. B.S. and M.S. engineering degrees. Background in test procedure writing and implementation, reactor engineering and plant operations.

PERSONAL INFORMATION

Age: 32 Marital Status: Married with no children
Date and Place of Birth: 21 April 1948, Waynesboro, Pennsylvania
Have held Department of Defense 'Secret' and AEC 'L' security clearances.
Hold valid U.S. passport, willing to travel and have worked for nearly two years in Europe.
Location Limitations: None
Health: Excellent

EDUCATION

High School: Gloucester High School, Gloucester, Virginia; Graduated June 1966
College: B.S. in Metallurgical Engineering Virginia Polytechnic Institute, Blacksburg, Virginia, Graduated June 1971 (with honors)
M.S. in Nuclear Engineering Virginia Polytechnic Institute, Blacksburg, Virginia
Studied under U.S. A.E.C. traineeship, coursework finished August 1972, degree awarded June 1973
E.I.T. passed
Member of American Nuclear Society

WORK EXPERIENCE

April 1978 to present: Senior Engineer with the Project Testing group of Consumers Power Company at the Midland Nuclear Reactor construction site.

Duties: Primary System Test Engineer. Responsible for preoperational test preparation, execution and data analysis for the Makeup and Purification System, the High Pressure Injection System, the Chemical Addition System, the Emergency Boration System, the Borated Water Storage System, and the Radwaste Gas System. Backup responsibilities for the Reactor Coolant System, Once Through Steam Generators and the Service Water System. So far in the test program only Service Water has been

pre-oped. The other systems have not yet been turned over to Consumers.

Additional duties include: flushing procedure preparation for systems of primary responsibility, writing responses to NRC questions, writing and reviewing FSAR changes, and some test program schedule development. At times supervised one to five other engineers on special short duration projects.

December 1972 to February 1978: General Electric Nuclear Energy Division, San Jose, California. Senior Engineer in Startup Test Design and Analysis Unit.

Duties: Preparation of 'Startup Test Specifications' and 'Startup Test Instructions' for various BWRs; revision of generic test instructions; writing of special test procedures; and interfacing with Design Engineering and Fuels Departments on new testing needs and test results evaluation. Reactor site responsibilities included: installation and set-up of test equipment; expanding 'Startup Test Instructions' into plant specific test procedures; on-site training of customer reactor engineering technical staff in basic core management, plant maneuvering, and thermal limits evaluation; and on-shift direction of and participation in testing, data analysis, and report writing. Long duration assignments at Duane Arnold (6 months), Hatch I (1 year), and Caorso Italy (2 years). Short duration assignments at Quad Cities I and II, Peachbottom II and III, Millstone Point I, and Browns Ferry II. Started as Associate Engineer, advanced to Engineer, and later to Senior Engineer.

June 1967 to August 1970: Oak Ridge National Laboratory, Oak Ridge Tenn. Co-op Student - Laboratory Technician.

Duties: Assisted with research in X-ray studies of metal crystal structures, alloying, heat treating, and fabrication of nuclear and non-nuclear materials. Approximately 10% of work involved zirconium alloys or uranium alloys. Area of work concentration was the x-ray study of crystallographic 'texture' development in polycrystalline materials due to fabrication techniques, heat treating, alloy composition, and trace impurities. Significant time also spent in the preparation and heat treating of high purity alloys. This co-op job consisted of seven work assignments of three or four months duration each alternated with academic study terms at Virginia Polytechnic Institute.



1990