

HELPING BUILD ARKANSAS

ARKANSAS POWER & LIGHT COMPANY STH & LOUISIANA STREETS + LITTLE ROCK, ARKANSAS 72203 + (501) 372-4311

August 23, 1972

Atomic Energy Commission 7920 Norfolk Avenue Bethesda, Maryland 21811

Attention: Mr. Paul Collins, Chief Operator Licensing Branch Division of Reactor Licensing



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SUBJECT: ARKANSAS POWER & LIGHT COMPANY ARKANSAS NUCLEAR ONE-UNIT 1 DOCKET MO. 50-313 OBSERVATION TRAINING REQUIREMENTS FOR ASSISTANT PLANT OPERATORS

Dear Mr. Collins:

As requested in our telephone conversation last week, would you please review the backgrounds of Mr. John A. Albers, Mr. George H. Bruss, Mr. S. James McWilliams and Mr. Thomas W. Holcomb and verify that they will be sufficiently qualified to sit for "cold license" examination.

A resume for each individual, covering their experience prior to joining the Arkansas Nuclear One operating staff, is attached. Since joining the Arkansas Nuclear One organization each of these men has completed the following courses:

- Academic Program for Nuclear Power Plant Personnel 17 Weeks -General Physics Corporation (all except Mr. Bruss).
- Basic Radiological Health and Reactor Safety & Hazards Analysis Weeks Environmental Protection Agency.
- 3. PWR Technology 6 Weeks Babcock & Wilcox Company
- 4. PWR Simulator Training 10 Weeks Babcock & Wilcox Company
- 5. Pool Reactor Training 2 Veeks Babcock & Wilcox Company

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Each of these men has completed three weeks (18 days work) of observation training at Connecticut Yankee. Their activities during this time included:

- 1. Observed pressurizer bubble formation.
- 2. Observed Rod Drop Tests.
- 3. Observed plant heatup from 280 °F.
- 4. Observed Hot Rod Drop Tests.
- 5. Observed Vibration Tests of Reactor Coolant Pumps.
- 6. Observed Isothermal checks at various temperatures.
- 7. Participated in boron dilution (safety groups out) and rod manipulation during approach to criticality.
- Participated in boron dilution and rod movement for flux mapping and low power physics tests.
- 9. Observed the following malfunctions:
 - a. Leaking pressurizer ande safety valve.
 - b. Pressurizer spray valve stuck open.
 - c. HP 0:1 Lift Pump n RCP lost suction.
 - d. Failure of Intermediate Channel which caused reactor trip.
- 10. Participated in boron dilution and rod movement for rod worth measurements (groups and individual rods).
- 11. Observed Ejected Rod Worth Tests.
- 12. Observed flux mapping results and configurations.
- 13. Observed Emergency Diesel Tests.
- 14. Observed primary and secondary systems line-up and placed in service.
- 15. Observed two critical approaches.
- 16. Observed stuck rod worth measurements.
- 17. Observed turbine startup and loading to 200 Mw.
- 18. Participated in rod movement for Tave control during turbine loading and unloading.
- 19. Observed overspeed trip tests.
- 20. Observed shutdown and cooldown and depressurization.
- 21. Observed pressurizer being taken "solid."
- 22. Observed initialization of Decay Heat Mode.
- 23. Observed plant heatup from cold shutdown condition.
- 24. Observed plant startup and power operation.
- 25. Observed power buildup and steady state operation.
- 26. Observed dropped rod during rod motor tests and the accompanying runback of control system and operator actions.
- 27. Observed turbine stop valve tests at 400 Mw.
- Observed spent fuel manipulations and transfer to shipping cask.
- 29. Observed decontamination of spent fuel cask and HP monitoring during the operation.

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The on-site training for these individuals will involve the same instruction and/or review of all plant systems and procedures as other personnel scheduled for cold licensing and will be closely monitored by the Site Training Supervisor.

Messrs. Bruss, Holcomb and McWilliams are presently scheduled to return to Connecticut Yankee for an additional four weeks of observation training. In view of their previous experience and training, as well as the variety of operations observed at Connecticut Yankee, we feel this training program will qualify them to take the cold license examination.

If you have any questions, please call me. I will be at the Division of Reactor Licensing office on Thursday, August 31, 1972, should you wish to talk about this matter.

Very truly yours,

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William Cavanaugh III Production Project Manager

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Attachment

RESUME OF JOHN A. ALBERS

EDUCATION:

1956-1960 Central High School, Grinell, Iowa

TRAINING:

10/60-2/61	USN Electrician's Mate Class A School, Great Lakes Naval Training Center (14 wks.)
1/62-7/62	USN Basic Nuclear Power School, New London, Connecticut (6 mos.)
7/62-12/62	USN Proto-type Training (S5W), Windsor, Connecticut (6 mos.)
	S5W Plant Design and Operation, Bettis Atomic Power Laboratory, Pittsburgh, Pa. (5 wks.)
9/65-5/66	Training Reactor Operator (OJT), Ames Laboratory, Ames, Iowa

- 1/63-1/64 Electrician's Mate during construction and testing of USS Henry Clay (SSN)
- 1/64-7/65 Electrician's Mate, electrical plant watchstander and steam plant watchstander aboard USS Henry Clay
- 5/66-7/67 Reactor operator, Ames Laboratory, Ames, Iowa
- 7/67-7/69 Senior Reactor Operator, Ames Laboratory
- 7/69-11/70 Shift Supervisor, Ames Laboratory
- 11/70-12/70 Observation Training at Arkansas Power & Light's Lynch and Ritchie Steam Electric Stations

RESUME OF GEORGE H. BRUSS

EDUCATION:

1970-1971 Black Hawk College, Moline, Illinois -- 37 semester hours in engineering

TRAINING:

10/61-2/62	USN Electrician's Mate Class A School, Great Lakes Naval Training Center (14 wks.)
2/62-4/62	USN Basic Enlisted Submarine School, New London, Connecticut
4/63-10/63	USN Basic Nuclear Power School, Mare Island, California (6 mos.)
10/63-4/64	USN Nuclear Proto-type Training (AlW), Idaho Falls, Idaho (6 mos.)
5/64-8/64	USN NPO Welding School, San Diego, California (16 wks.)
2/68	USN General Electric 300KW MG Sets (1 wk.)

8/64-2/67	Electrician's Mate and watchstander aboard USS Barb (SSN)
2/67-4/68	Electrician's Mate, construction and testing of USS Hammerhead (SSN)
4/68-6/70	Leading Petty Officer (Supv.) of Electrical Division and qualified watchstander in all
	phases of power plant aboard USS Hammerhead

RESUME OF S. JAMES MCWILLIAMS

EDUCATION:

1963-1968 University of Arkansas, 78 semester hours in math and engineering

6/66-1/68	Diesel Mechanic,	heavy	equipment				
6/68-6/69	Arkansas Power &	Light,	Lynch St	eam Electric	Station	- Helper	
6/69-8/70	Arkansas Power	Light,	Lynch St	eam Electric	Station	- Filter	Plant Operator
8/70-1/71	Arkansas Power &	Light,	Lynch St	eam Electric	Station	- Auxili	ary Operator

RESUME OF THOMAS W. HOLCOMB

EDUCATION:

1959-1961	Paris Jr.	College, Pa	ris, Texas	
1963-1964	Pensacola	Jr. College,	Pensacola,	Florida

8/61-8/65	USN Medical Service Laboratory and X-ray Technician	
11/67-3/68	Arkansas Power & Light, Ritchie Supercritica team Electric Station - Helper	
3/68-8/70	Arkansas Power & Light, Ritchie Supercritical Steam Electric Station - Auxiliary Opera	tor
8/70-1/71	Arkansas Power & Light, Ritchie Supercritical Steam Electric Station - Boiler Operator	