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MCDUFFIE,M.A. Carolina Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards response to Radiological Assessment Branch Draft SER questions,consisting of JH Sipp resume w/specific ref to health physics supervisory experience in outage situation, during refueling & initial fuel load & initial criticality.

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	NRR/DSI/AEB	26	1	1	NRR/DSI/ASB		1	1
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CP&L
Carolina Power & Light Company

NOV 09 1983

SERIAL: LAP-83-522

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
United States Nuclear Regulatory Commission
Washington, DC 20555

SHEARON HARRIS NUCLEAR POWER PLANT
UNIT NOS. 1 AND 2
DOCKET NOS. 50-400 AND 50-401
DRAFT SAFETY EVALUATION REPORT RESPONSES
RADIOLOGICAL ASSESSMENT BRANCH

Dear Mr. Denton:

By letter dated October 28, 1983, Carolina Power & Light Company (CP&L) transmitted its commitment to the recommendations of Regulatory Guide 1.8 "Personnel Selection and Training" for the Shearon Harris Nuclear Power Plant (SHNPP) position equivalent to the radiation protection manager. In that submittal, CP&L stated that the SHNPP Manager - Environmental and Radiation Control would satisfy the recommendations for the radiation protection manager. This submittal stated that the resume for the Manager - Environmental and Radiation Control would be provided at a future date. The resume is the attachment to this letter.

In discussions with NRC reviewer, S. Block, he stated that the NRC was particularly interested in a radiation protection manager's experience with health physics activities during refueling. The attached resume makes specific reference to health physics supervisory experience in outage situations, during refueling operations and during initial fuel load and initial criticality at the Vermont Yankee Plant.

The attached resume also details formal training of the individual selected as the Manager - Environmental and Radiation Control. This training will be supplemented by training for SHNPP specific equipment and procedures.

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411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

Based on our evaluation, the individual selected for the Manager Environmental & Radiation Control is qualified by management experience and practical application experience to manage the SHNPP health physics program.

Yours very truly,

M. A. McDuffie
Senior Vice President
Nuclear Generation

JHE/cfr (8420COM)
Enclosure

cc: Mr. B. C. Buckley (NRC)
Mr. Sy Block (NRC-METB)
Mr. G. F. Maxwell (NRC-SHNPP)
Mr. J. P. O'Reilly (NRC-RII)
Mr. Travis Payne (KUDZU)
Mr. Daniel F. Read (CHANGE/ELP)
Mr. R. P. Gruber (NCUC)
Chapel Hill Public Library
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Mr. John D. Runkle
Dr. Richard D. Wilson
Mr. G. O. Bright (ASLB)
Dr. J. H. Carpenter (ASLB)
Mr. J. L. Kelley (ASLB)
Wake County Public Library

RESUME OF
JOSEPH H. SIPP

EXPERIENCE:

November 1983 to present

Carolina Power and Light Company
Shearon Harris Nuclear Power Plant
P. O. Box 165
New Hill, North Carolina 27562

Position Held: Manager Environmental and Radiation Control

May 1981 to November 1983

General Public Utilities Company
100 Interpace Parkway
Parsippany, New Jersey 07054

Position Held: Manager of Chemical Engineering

Responsibilities:

Review of the chemical processes in the facility to insure their optimization. This involves the review of plant chemistry, and operational data and comparing it to the system chemistry specifications and other design criteria.

Preparation of Chemistry Reports summarizing systems chemical history.

Chemical Engineering coordinates the activities between outside organizations and the plant where appropriate.

Conducting of investigations and making engineering recommendations and providing implementation with management approval.

Review of chemical processes against state-of-the art and making recommendations for their upgrade.

Provide all the Chemical Engineering for the water treatment systems.

Write all Chemistry Specifications for the plants.

Upgrade Specifications based on state-of-the art data.

Implement the necessary programs to insure the power plant can operate at the required specifications.

Provide all the Chemical Engineering for the water treatment systems.

Provide all the Chemical Engineering for the waste water treatment systems.

Provide input to all plant procedures affected by Chemistry/Chemical Engineering.

Manage a staff of eight professionals, and a secretary.

Act as the Project Manager on unique O and M items at the plant.

Prepare and provide the technical portion of licensing responses to regulatory body findings.

Provide safety review of important-to-safety systems.

April 1979 to May 1981

Public Service Company of New Hampshire
Seabrook Station
P.O. Box 300
Seabrook, New Hampshire 03874

Position Held: Chemistry Department Supervisor

Responsibilities:

Directed a Chemistry staff of twenty-six people (had responsibility for setting up staff and preparing department budget).

Development, implementation and maintenance of the station's analytical and radiochemical monitoring program to insure compliance with state, federal, and vendor requirements for start up and operation of two 1200 MWE Nuclear Units.

Review of all chemical systems for system optimization and recommended the necessary system changes.

Preparation of all required reports, evaluation of personnel, and preparation of the department's budget.

Member of emergency team.

March 1973 to April 1979

Vermont Yankee Nuclear Power Corporation
P. O. Box 157
Vernon, Vermont 05354

Position Held: Plant Chemist

Responsibilities:

The position included the responsibility for serving on an alternate basis as onshift health physics supervisor during refueling and major maintenance outages and during normal operations. During the subject time interval, the plant underwent an average of one refueling and two maintenance outages per year. The onshift health physics supervisor's responsibilities include the preparation and signoff for radiation work permits; and directing technicians in the implementation of work permits, conduct of radiation surveys and implementation of health physics procedures.

Directed a staff of four people as a Plant Chemist and directed a staff of thirteen people when acting as Chemistry and Health Physics Supervisor.

Assisted the Chemistry and Health Physics Supervisor in the development, implementation and maintenance of the department programs.

Participated in the review of department personnel, procedures, and generated necessary reports to satisfy regulatory requirements.

Administratively controlled all plant chemical processes.

Acted for the Chemistry and Health Physics Supervisor in his absence.

Directed the chemical operation in the plant to optimize their performance (Radwaste, condensate filter, demineralizers, charcoal filters,...etc.).

Reviewed all potential release points and ensured they were properly monitored.

Maintained the Chemical and Radio chemical laboratories, Chemical and Radio chemical on line monitoring equipment (calibration and data reduction).

Member of emergency team and fire brigade.

February 1970 to March 1973

Vermont Yankee Nuclear Power Corporation
P. O. Box 157
Vernon, Vermont 05354

Position Held: Chemistry and Health Physics Assistant

Chemistry Responsibilities:

Assisted and directed the Chemistry and Health Physics Technicians in routine analysis and surveillance in the chemistry laboratory.

Provided chemistry coverage in the preoperational and operational startup of the plant.

Performed the preoperational testing of radwaste and set up the water treatment plant. Performed the original set up and calibration of the process monitoring system.

Health Physics Responsibilities:

Directed the Health Physics Technicians in operational radiological activities during maintenance and refueling outages.

This position included the responsibility for acting as the onshift health physics supervisor during major maintenance outages. These outages included several shutdowns in the startup program to correct problems and to perform reconstitution of burnt fuel assemblies. This function, carried out on a twelve hours onshift twelve hours offshift basis included direction of all onshift radiation protection activities. The initial criticality on the Vermont Yankee plant was March 24, 1972. The onshift health physics supervisor's responsibilities included the preparation and signoff for radiation work permits; and directing technicians in the implementation of work permits, conduct of radiation surveys and implementation of health physics procedures.

Assisted in the continuous monitoring of all radiological activities within the plant and its systems, including the surrounding environment, to ensure maximum safety at all times.

Wrote Radiation Work permits, performed radiation surveys and performed calibration of Health Physics survey instruments.

Used the following sources for calibration of survey instruments on on-line process instruments:

50 Ci Cs^{137} calibrator
24 uCi Co^{60}
60 Ci Ir^{192}
Pu^{239} sources.

Also used liquid sources for calibration of Chemistry Instrumentation.

June 1969 to February 1970

Mine Safety Appliance Research Corporation
Evans City, Pennsylvania 16033

Position Held: Research Chemistry Technician

Responsibilities:

Developed new charcoals.

Performed testing of charcoal to evaluate its ability to filter small quantities of organic contaminants from air.

EDUCATION:

B. S. Chemistry, 1969 Geneva College Beaver Falls, Pennsylvania	
M.B.A., 1978 Western New England College Springfield, Massachusetts	
Training at Millstone I BWR Millstone, Connecticut	3/70 - 5/70
Radionuclide Analysis by Gamma Spectroscopy at Northeastern Radiological Health Laboratory	6/70, 1 week
In-Place Filter Testing Department of Environmental Health Sciences Harvard School of Public Health	6/23/75 - 6/27/75
State Fire Service Training Program of Vermont	6/70 (40 hours)
Applied Metallurgy Taylor and Fem Company Hartford, Connecticut	1/77 - 5/77
Westinghouse PWR Chemistry Course Pittsburgh, Pennsylvania	9/4/79 - 11/23/79
Seabrook Station, Balance of Plant Training	1979 (60 hours)
Westinghouse PWR Information Course	1979 (60 hours)
Management and Supervision Courses	1979 (145 hours)
Radiochemistry	Spring Semester 1980 at Northeastern
Fluid Power Controls	Fall Semester 1980 at University of Lowell
Kepner-Tregoe Decision Analysis	2/25/80 - 2/29/80
Multimedia First Aid, CPR	1980
The Management and Disposal of Hazardous and Chemical Waste	10/29/80 - 10/30/80
Leadership Effectiveness Training	1982 (24 hours)

Management Development Program Phase I, II, III	12/31/83 4.8 CEU's
GPUN Management Training by Sterling Institute	3/9/83 (40 hours)

PAPERS WRITTEN:

Presented at Edison Electric Institute Chemistry Meetings.

1. A New Precoat Material for the Power Industry - 1976.

2. Product Evaluation of Graver Ecodex and Ecocate at Vermont Yankee - 1977.

Presented at the Cooling Tower Institute Annual Meeting.

1. Improve Condenser Cleanliness by Using Dispersant to Supplement Chlorination at a Nuclear Power Plant 1978.

Presented at the Western Engineering Conference in the Fall of 1980.

1. Prepared discussion on Three Years Operating with Precoat Materials Containing Fibre and Powdered Ion Exhcange Resins.