



Commonwealth Edison

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Address Reply to: Post Office Box 767
Chicago, Illinois 60690

May 23, 1983

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

Subject: Braidwood Station Units 1 and 2
Additional FSAR Information
NRC Docket Nos. 50-456/457

Reference (a): E. D. Swartz letter to H. R. Denton
dated March 8, 1983

Dear Mr. Denton:

Reference (a) provided the resumes for our Braidwood Station Radiation/Chemistry Supervisor and our Station Health Physicist to address the NRR qualification concerns for the Radiation Protection Manager (RPM) as required by Regulatory Guide 1.8-1977.

A teleconference was subsequently held between NRR and Commonwealth Edison to discuss the qualifications of our Station Health Physicist. The purpose of this letter is to provide an expanded resume for our Braidwood Station Health Physicist and our proposed training program to upgrade his qualifications.

The FSAR will be amended to reflect the Attachments to this letter as appropriate. Please address any remaining concerns that you or your staff may have concerning this matter to this office.

One (1) signed original and fifteen (15) copies of this letter with Attachment are provided for your use.

Very truly yours,

E. Douglas Swartz
Nuclear Licensing Administrator

Attachment

cc: J. G. Keppler - RIII
RIII Inspector - Braidwood

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TIMOTHY D. KEITH
STATION HEALTH PHYSICIST
BRAIDWOOD NUCLEAR POWER STATION

BIRTH DATE:

November 17, 1957

CITIZEN:

United States of America

PRIOR AEC/NRC LICENSE (S):

None

PROFESSIONAL SOCIETIES:

Health Physics Society Member

FORMAL EDUCATION:

Bachelor of Science, Health Physics - 1980 - Purdue University,
W. LaFayette, Indiana

Summer Internship - Purdue University at the Radiological Protection
Department.

Experience included surveying laboratories for radioactive contamination, counting smear samples on a liquid scintillation counter, keeping track of personnel exposure, advising personnel on the use of radioactive materials, packaging radioactive materials and cleaning up radioactively contaminated spills.

TRAINING:

Supervisor Training - 1983

Radioactivity Counting Statistics - 1983

Post-Accident Radiation Assessment - 1983

WORK EXPERIENCE:

1-'83 to Present:	Station Health Physicist - Braidwood Station
9-'82 to 12-'82:	Staff Health Physicist - Quad Cities Station
6-'82 to 8-'82:	Station Health Physicist - Braidwood Station
6-'80 to 5-'82:	Staff Health Physicist - Quad Cities Station

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RESPONSIBILITY DESCRIPTION:

Station Health Physicist - Braidwood Station
June 1982 to August 1982 and January 1983 to Present

Responsibilities include being the Leader of the Health Physics Group, Generating Station Emergency Procedure Coordinator and ALARA Coordinator for the station during the construction phase. Duties include supervising professional and union personnel; preparing and reviewing budgets, schedules, goals, and purchase requests; developing, writing and reviewing Radiation Protection procedures and programs including Respiratory Program, Bioassay Program, Dosimetry Program, Radiation Survey Program, Air Sampling Program, Contamination Control Program, Instrumentation Control Program, Radioactive Waste Shipment Program, Receipt and Leak Testing of Radioactive Materials, Decontamination of Personnel, Equipment and Areas Program, and ALARA Program.

Staff Health Physicist - Quad Cities Station
September 1982 to December 1982 and June 1980 to May 1982

General responsibilities included making daily rounds of the turbine and reactor buildings, the control room and the service building. During these rounds Health Physics practices were observed, evaluated and corrected if needed. Any work that was to be done or was in progress was reviewed daily for good Health Physics practices including proper surveys of the area, proper dosimetry, proper placement of dosimetry, proper respiratory equipment, proper posting and assuring all Commonwealth Edison Radiation Control Standards and Nuclear Regulatory Commission Standards were being followed by all workers. Responsibilities also included numerous initial entries into the drywell both when the unit was at full power and when the unit was in the shutdown mode. Other responsibilities included the following reviews:

Mask issuance log, drywell manifold report, Rad/Chem Technician log, mask fit test results, radiation work permits, survey sheet and board, personnel contamination log, and air sample activity sheets.

Specific areas of responsibility included the following:

Mask Fit Test Facility - Responsibilities included routine maintenance of the facility and assuring the materials needed to operate the facility were available. Also included was the proper training of each union technician on the use of and the procedures for the facility. After each individual was tested, responsibility included a determination as to the validity and accuracy of each test and an evaluation of the test to determine if an individual could safely wear a respirator.

TIMOTHY D. KEITH

Respiratory Protection Program - Responsibilities included an evaluation of the techniques used for air sampling of potentially airborne areas to assure the worker was internally protected from radioactivity. Responsibility also included insuring the proper type of respiratory protection was worn and that the station had an adequate supply of respiratory equipment. Each day the respiratory equipment log was reviewed to insure no potentially contaminated masks were reused and that no individual was in an airborne area without the proper respiratory protective equipment.

Radioactive Material Shipment Coordinator - Responsibilities included knowing the shipping regulations for: each burial site, for each facility radioactive material was being shipped to, CECo, Federal, and State regulations. Responsibilities also included assuring that all the proper packaging of radioactive materials had been accomplished and that the proper documentation was included with each shipment.

Bioassay Review - Responsibilities included reviewing Bioassay reports on whole body counting and urinalysis to determine the extent of internal deposition of an individual and to determine the effectiveness of the Respiratory Protection Program. Responsibilities also included training union technicians on the use of the whole body counter.

Generating Station Emergency Procedure Director - Responsibilities included being part of many GSEP drills and exercises. In these drills and exercises participation included the following: in-plant Health Physics Team Member, Environmental Team Member, Rad/Chem Director (in the Technical Support Center), Health Physics Director (in the Emergency Off-Site Facility) and Controller.

Procedure Review and Revision - Responsibilities included writing and reviewing procedures in all areas of Operational Power Plant Health Physics.

Radiation Protection and Chemistry Foreman - Responsibilities included directing the work of union technicians in the areas of surveying, decontamination, dosimetry, sampling, respiratory protection, and instrumentation. Approximately 20% of the work hours spent during three 16-week refueling outages and one 6-week maintenance outage was worked in this capacity. During the refueling outage of August 1982 to December 1982, responsibilities included following the replacement of feedwater spargers. These responsibilities included surveying and directing surveys in high dose rate and highly contaminated confined areas.

TRAINING PROGRAM

TIMOTHY D. KEITH

STATION HEALTH PHYSICIST - BRAIDWOOD STATION

ASSIGNMENT: Six weeks at Zion Station during an upcoming refueling outage.

DUTIES: Supervise professionals and union technicians in performing their Health Physics duties concerning surveys, decontamination, dosimetry, sampling, respiratory protection and instrumentation. Specific experience is to be gained in containment entry and steam generator work.

ASSIGNMENT: As time permits at Byron Station during Start-Up.

DUTIES: Distil important details of PWR Start-Up. Specific experience is to be gained in performing original surveys and surveys through power escalation.

ASSIGNMENT: **As time permits at Byron Station during first refueling.**

DUTIES: Distil important details of first refueling. Specific experience is to be gained in power deescalation, vessel opening, and fuel movements.

ASSIGNMENT: Six days Introduction to Power Plant Operations.

DUTIES: Specific experience is to be gained in system theory and control board operation through the use of the Byron/Braidwood simulator.

ASSIGNMENT: Three days Management by Objectives.

DUTIES: Specific experience is to be gained in job planning and in achieving goals.

ASSIGNMENT: Three days Kepner-Tregoe.

DUTIES: Specific experience is to be gained in decision making.