

UNC RECOVERY SYSTEMS

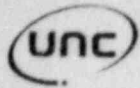
PDR

10-820

CEB: 80-65

UNC RESOURCES

Telephone 401 364 7701



March 24, 1980

U.S. Nuclear Regulatory Commission
W. T. Crow, Section Leader
Uranium Fuel Fabrication System
Fuel Processing and Fabrication Branch
Division of Fuel Cycle and Material Safety
7915 Eastern Avenue
Silver Spring, MD 20910

Reference: Letter, R.L. Stevenson to C.E. Bowers
dated 1-16-80
Subject: Nuclear and Industrial Safety
Organization

Gentlemen:

Attached is a modification to License SNM-777, which incorporates changes requested in the referenced letter. As per your comments in that letter, we have revised the Technical Specialist degree requirements and have inserted minimum scheduling requirements for services of a consulting criticality safety specialist.

We note that you have requested a degree requirement for technical safety specialists, but have agreed that Mr. Helgeson may perform as a specialist in Health Physics without meeting that requirement. We, therefore, expect that we are not subject to non-compliance action resulting from NRC inspections in this area.

We trust that this submittal will meet with your approval. If you have any further questions, do not hesitate to contact us.

Very truly yours,

C. E. Bowers
President

CEB:KAH:ddm

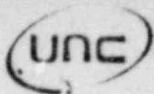
Attachments: Section 200, Subsection 202, Page 3 of 3
(Revised)

Resume: R. J. Schwensfeir (Revised)

Resume: K. A. Helgeson, Page 2 of 2 (Revised)

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UNITED NUCLEAR
CORPORATION

LICENSE: SNM - 777, DOCKET 70-820

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SECTION: 200 - Organization, Personnel and
Administration

Approved

SUBSECTION: 202 - Nuclear and Industrial Safety

Issued MAR 24 1960

Supersedes 7/6/79

2.4 Consultants

Consultants to Nuclear and Industrial Safety assist the Manager through reviews and technical evaluations within the area of their specialty.

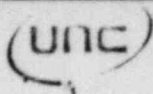
3.0 Personnel Qualifications

The Manager, Nuclear and Industrial Safety, shall hold a degree in Science or Engineering or have an equivalent combination of education and experience in the nuclear industry. Assignment of the individual shall be approved by at least two levels of management above this position. Minimum requirements for this position shall include at least ten years experience in a responsible position in the nuclear industry, with at least three years in an activity wherein he has performed safety evaluations in either criticality or radiological safety and has developed an understanding of the disciplines under his management.

Any individual having responsibility for technical evaluations or review of a safety aspect (Health Physics, Criticality) shall hold at least a B.S. degree in Science or Engineering and possess not less than three years responsible experience in the nuclear field, with at least one year in the performance of such safety assessments in the area of his specialty. Assignment to evaluation or review responsibilities requires in addition, demonstration of proficiency in the specialty to the Manager, NIS.

Consultants, when assigned responsibilities for evaluation or review, shall meet the above requirements in the area of the specialty involved. When consultants are used on a regular basis to perform evaluations and reviews in lieu of full time employees, they shall normally be required to spend a minimum of one work day on site during each two week period. This frequency may vary, however, due to plant working schedules (e.g. plant shutdowns, holiday periods, personnel vacations, etc.).

Resumes of the qualifications of the personnel currently performing these functions are included in this section.



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SNM - 777, DOCKET 70 - 820

ATTACHMENT TO SECTION 200

RECOVERY OPERATIONS PERSONNEL RESUMES

Page 1 of 2 pages

Revised

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Supersedes 3/1/79

POSITION: Criticality Safety Specialist

PERSON: R. J. Schwensfeir, Jr.

ABSTRACT

Twenty-three years experience in Physics, including nuclear and solid state physics, teaching and research, and nuclear criticality safety.

EDUCATION

B.A., M.S., and Ph.D in Physics

EXPERIENCE

Manager, Nuclear Safety and Health Physics - 1979 to Present -
(Texas Instrument Co., Attleboro, MA)

- * In a consulting capacity, providing nuclear criticality safety analyses for the handling, processing and storage of fissionable material.

Specialist, Criticality Safety - 1974 to 1979 - (UNC Naval Products)

- * Responsible for nuclear criticality safety analysis, and establishing criticality safety requirements for manufacturing operations involving storage and handling of fissionable material.
- * Nuclear criticality safety consultation and auditing for UNC Recovery Systems

Assistant Professor of Physics - 1968 to 1974 - (Bucknell University)

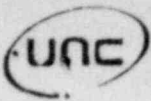
- * Undergraduate teaching and research in a medium-size liberal arts and engineering university

Research Associate - 1966 to 1968 - (Pratt & Whitney Aircraft)

- * Basic research in solid state physics
- * Planned, organized, and supervised a major relocation of a physics laboratory

Experimental Nuclear Physicist - 1956 to 1960 - (Pratt & Whitney Aircraft - CANEL)

- * Assisted in planning, performing, and analyzing experiments with critical assemblies



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ATTACHMENT TO SECTION 200

RECOVERY OPERATIONS PERSONNEL RESUMES

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Supersedes 3-1-79

Resume, Karl A. Helgeson

Engineer, Experimental Test - 1967 to 1970 - (Pratt & Whitney Aircraft)

- * Responsible for supervision of experimental machine shop and health physics and mechanical technicians in the P & W Nuclear Hot Cell facility.
- * Performance of design and fabrication work on remotely operated machining and welding equipment. Design, fabrication, and operation of exotic liquid metal test equipment.

Gauge Designer, Inspection Methods Planner - 1965 to 1967 - (Pratt & Whitney Aircraft)

- * Responsible for design, modification and purchasing of various types of gauges for mechanically and electronically inspecting jet engine parts.
- * Responsible for writing inspection methods manuals for inspecting jet engine parts.

Technician, Hot Cell, and Senior Technician, Contamination Control Engineering - 1960 to 1965 - (Pratt & Whitney Aircraft)

- * Responsible for fabrication and operation of various remotely operated machining and laboratory equipment, supervision of Health Physics technicians, rad waste systems operation (liquid and solid), and contamination control program of hot cell facility.

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