

NEW YORK SHIPBUILDING CORPORATION

MAIN OFFICE AND WORKS

CAMDEN 1, NEW JERSEY, U.S.A.

REFERENCE

CAMDEN June 9, 1961

Mr. J. R. Mason
Chief, Isotopes Branch
Division of Licensing and Regulation
U. S. Atomic Energy Commission
Washington 25, D.C.

Dear Mr. Mason:

This is to confirm our telephone conversation of today, June 9, 1961. Under By-Product Material License Number 29-2204-3 the New York Shipbuilding Corporation is authorized to possess and use "reactor start-up sources". These sources are to be used in connection with the start-up and test program for the N. S. Savannah. Our understanding is that the term "reactor start-up sources" applies to the use of such sources in operations normally associated with pre-critical reactor tests and start-up, including check-out of nuclear instrumentation, and we are proceeding under this understanding. If our interpretation is incorrect, then we request that our license be amended to include such uses and operations as mentioned above.

In addition, we request that our license be amended as follows:

1. Change Item 8 to read:
(A) Four sources not to exceed 135 curies/source,
total not to exceed 540.
2. Under condition 12, kindly delete the name of H. Kraig and add Mr. K. Travis and Mr. E. C. Peterson.
3. We request that wording of Item 12 be revised to read, "By-product material shall be used by or under the supervision of".

The resumes of E. C. Peterson and K. Travis are attached. Mr. Travis is a senior member of the Health Physics Group in the Savannah Nuclear Technology Department. The Health Physics Group is one of three groups comprising the Savannah Nuclear Technology Department which department reports to the Manager, Savannah Nuclear Power. The Health Physics Group's principal responsibilities are the following:

1. Determination of safe working times and radiation limits in radiation areas aboard the N. S. Savannah.
2. Radiation monitoring during operations and tests, both routine and special.
3. Radiation monitoring during maintenance and repair in radiation areas.
4. Approval of procedures for handling radioactive materials and equipment.

Mr. Peterson, as Superintendent of Savannah Nuclear Operations, is responsible to the Manager, Savannah Nuclear Power, for all reactor operations and maintenance aboard the N. S. Savannah. The responsibilities of the Operations Department are as follows:

1. Safe and efficient operation of the reactor and power plant.
2. Preparation and approval of detailed operating procedures and emergency procedures.
3. Performance of tests in accordance with Test Memoranda.
4. Crew training and qualification.
5. Review and approval of Test Memoranda.
6. Maintenance of the Reactor Operating Log.
7. Investigation of incidents and preparation of Incident Reports.

For your information, the responsibilities of the Savannah Nuclear Technology Department mentioned above are listed below:

1. Formulation of the Test Program, with particular emphasis on safety and technical adequacy.

2. Preparation of Test Memoranda.
3. Test Surveillance aboard ship.
4. Technical Assistance to the Operations Department.
5. Evaluation of test data.
6. Preparation of test reports.
7. Approval of test results.
8. Review and approval of Operating Procedures.
9. Determination of design deficiencies.
10. Recommendation of design changes.
11. Recommendation of future design improvements.

Yours very truly,

NEW YORK SHIPBUILDING CORPORATION

Marvin M. Mann,
Manager, Savannah Nuclear Power



EDWIN C. PETERSON - Superintendent, Savannah Nuclear Operations
Department

EXPERIENCE:

May 1959 to
Present

Babcock and Wilcox Company, Atomic Energy Division,
Nuclear Engineering Department, Reactor Engineering
Section - Technical Advisor, Operations Analysis.
Edited the accident analysis and operating procedures
for W. S. Savannah.

1955 - 1959

Reactor Engineer, Westinghouse Electric Corporation,
Bettis Atomic Power Division.
Assisted in the design and directed the construction
of the Shippingport Pressurized Water Reactor
flexible critical facility. Conducted a program
to test the strength and flow characteristics of
reactor components and determine feasibility of
instrument design. Acted as lead engineer during
reactor internals and core assembly at the job
site. After initial criticality and synchronization
served as consultant to the Atomic Energy Commission
on operating analysis and maintenance problems.

1946 - 1954

Argonne National Laboratory - Engineer
Designed instruments for reactor measurements such
as neutron choppers, gaseous ionization counters.
Worked with particle accelerators and Van de Graffe
generators.
Shop Superintendent
Superintendent of Central Shops where all reactor
components, instruments, etc., were fabricated.
Site Administrator - Chemical Engineering and Chemistry
Divisions and the Critical Facility areas.
Field Engineer on ZPR-1, ZPR-11, CP-5, BORAX-I and
BORAX-II
Field and Project Engineer on ZPR-I - In charge of
construction of buildings and reactors and assisted
in the initial start-up. Responsible to Laboratory
Director for building and start-up before turning
over for operation.

RECOGNITION:

Membership - National Society of Professional Engineers
Western Society Mechanical Engineers

K. TRAVIS - Health Physicist, New York Shipbuilding Corporation

Health Physics Inspector, Electric Boat Co. - 42 months.
Coverage in all phases of reactor installation,
criticality, test, operations, and maintenance of
numerous nuclear submarines. Health physics coverage
of industrial radiographic sources of Co⁶⁰ and Ir¹⁹²
up to and including multicurie quantities of sealed
sources.