

Applicant... 9814
Check No... \$120/3P
Amount, For...
Type of Fee...
6/4/85

Herbert and Associates, Ltd.
TESTING • ENGINEERING • INSPECTING

POST OFFICE BOX 64758 • VIRGINIA BEACH, VA 23464 • PHONE (804) 420-2797

May 24, 1985

U.S. Nuclear Regulatory Commission, Region II
Material Radiation Protection Section
101 Marietta Street, Suite 2900
Atlanta, GA 30323

Date... 6/4/85
By... May 4 II
By... Brown
Orig. To...
Action Compl.....

Subj: License Renewal, Number 45-19271-01, Expiring June 30, 1985

1. The current license has been reviewed. Information concerning the radionuclides Cesium 137 and Americium 241 accurately represents the physical forms, quantities, and use. The current program has not changed, and remains only the measurement of density and moisture using Troxler 3400 Series gauges.

2. The initial application for a byproduct material license was submitted January 3, 1980, on form NRC-313 I (1-79). A review of that document found minor changes only for individuals who will use or directly supervise the use of licensed material. In preparation for this renewal, it was observed that some categories had changed or been added, specifically 3P. It is our understanding, after talking to the Management Branch in Washington (Mrs. Brown at 301 492-7225), that our old category of 3L should automatically change with this renewal to the newer, and proper, 3P.

To update item 6, the individual's list, please delete David Thomas Gillen. Add to that list, John David Evans, Production Manager; and Paul L. Burk, Inspector. For application item 16, Formal Training in Radiation Safety, please delete the names of David T. Gillen and Richard J. Seage. For Mr. John D. Evans, the following training has been received:

Mr. Evans received 6 weeks of training in the Damage Control Assistant program at the Navy Damage Control Training Center, Philadelphia. He

8507260103 850626
REG2 LIC30
45-19271-01 PDR

50610
Rec'd 5/29/85

graduated with honors from the program during February, 1975. He received nuclear weapons accident and incident training during that period. The Commanding Officer of the Training Center was Commander M.T. Nelles. Throughout his four years as a Special Operations Officer, he participated in several refresher training programs. Mr. Evans had his initial experience with the Troxler nuclear gauges with Herbert and Associates in 1979. Later, while working towards his Master's Degree in natural Resources at The Ohio State University, additional training was provided by the university in the safe and proper use of nuclear density/moisture meters. Radiological safety procedures were reviewed and standard operating procedures established.

For Mr. Burk, please note the following training.

After receiving his B.S. degree in Geology in 1983, Mr. Burk was employed by Herbert and Associates. As his responsibilities would include nuclear moisture/density testing, he was provided radiological safety training by John Herbert, the radiological safety training officer. This training included radiation protection, monitoring systems (film badge and leak tests), measurement of radioactivity and the biological effects of radiation. The theory and operation of nuclear moisture/density gauges was detailed. Our standard operating procedures were explained and emergency procedures discussed.

Item 17 for Experience With Radiation, should be changed as follows. The names of David T. Gillen and Richard J. Seage should be deleted. For Mr. Evans, please note this experience:

Mr. Evans was a Special Operations Officer with the U.S. Navy from 1974 through 1978. During this time radiation safety was studied for personnel protection and damage control. Diving responsibilities included an understanding of the radiation hazards associated with nuclear submarines. While Mr. Evans was a graduate student at The Ohio State University, he was responsible for the use of a Troxler nuclear moisture/density gauge. He was supervised by Dr. Randy Heiligman in the School of Forestry. This period of use was from 4-80 through 8-82. While Mr. Evans is considered well trained in the handling, use, safety, and security of nuclear moisture/density gauges, he will attend the Troxler Electronic Labs radiological training program when feasible.

For Mr. Burk, please note the following experience.

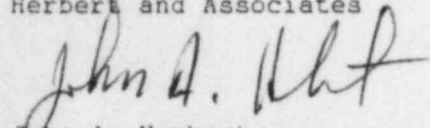
Mr. Burk graduated from Old Dominion University in 1983 with a B.S. in Geology. Upon his employment with Herbert & Associates he was provided radiological safety training as noted. He continues to have a weekly review of operational concerns with John Herbert. Paul is considered knowledgeable in the proper use of nuclear moisture density gauges. As scheduling permits, Mr. Burk will participate in the Troxler Electronic Labs radiological training program.

3. This formally requests a renewal of our license and is being submitted for the new category of 3.P byproduct material. As first issued, the appropriate category was 3.L, as approved. Accordingly the renewal fee of \$120.00 is enclosed with this document. We trust that this supplies the information you require. If you have any questions or desire additional information please

Herbert and Associates, Ltd.

call us at (804) 420-2797. Either John Herbert or John Evans will be able to discuss nuclear license related matters. Herbert and Associates understands that all statements and representations made in this application are binding. We certify that this application is prepared in conformity with Title 10, CFR, parts 30, 32, 33, 34, 35, and 40 and that all information contained herein, is true and correct to the best of our knowledge and belief.

Certifying Officer
Herbert and Associates

A handwritten signature in dark ink, appearing to read "John A. Herbert", is written over the printed name.

John A. Herbert
President
5-24-85