

71-9261
72-1008
72-1014



Holtec Center, 555 Lincoln Drive West, Marlton, NJ 08053

Telephone (856) 797-0900
Fax (856) 797-0909

BY FAX AND OVERNIGHT MAIL

May 26, 2000

Mr. E. William Brach
Director, Spent Fuel Project Office
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville MD, 20852

Subject: Qualifications of Mr. Larry Dietrick
Docket Nos. 72-1008, 72-1014, and 71-9261

References: 1. Holtec Project 1020
2. NRC Inspection No. 71-0784/00201 held May 18-19, 2000

Dear Mr. Brach:

In response to a request from the inspection team, attached please find one copy of a May 25, 2000 letter from Mr. Larry Dietrick describing his work history and job responsibilities while employed with Bisco, Inc. We are confident you will find Mr. Dietrick to be thoroughly qualified in the formulation, mixing, pouring, and testing of Bisco's NS-4-FR neutron shield material.

Please contact us if you have any questions or require additional information.

Sincerely,

Brian Gutherman, P.E.
Licensing Manager

Attachment: May 25, 2000 letter from Scientech, L. Dietrick to Holtec, B. Gutherman (2 pages)

Cc: Dr. Stan Turner, Holtec International (w/attach.)
Mr. Kirk Lathrop, USNRC (w/attach.)

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May 25, 2000

Mr. Brian Gutherman, P.E.
Licensing Manager
Holtec International
Holtec Center
555 Lincoln Drive West
Marlton, NJ 08053

Dear Mr. Gutherman:

In response to your request, the following information is provided regarding my background in developing neutron shielding material during my employment with Bisco Products.

I was an employee of Bisco from April 1986 until April 1993. During that time I held various positions at Bisco in their nuclear shielding division. My initial position, from 1986 until 1989 was as a Project Engineer, responsible for engineering, testing, and marketing of radiation shielding material for nuclear applications. This involved developing and performing tests to qualify the material for various uses, as well as application engineering for unique applications. From 1986 through 1989, I was involved in various tests that were conducted on NS-1, NS-3, NS-4, and NS-4-FR. These tests were conducted by me, or under my direction, usually at the request of a potential customer, in order to qualify the material for a specific use. It was during this time that I conducted the long term heat aging tests of NS-4-FR at elevated temperature (170 C) for qualification of NS-4-FR for use in dry storage casks. This testing was done at the request of NAC.

In 1989 I was promoted to Manager of the Nuclear Shielding Division of Bisco Products, and continued to direct the testing and development of neutron shielding materials for various applications. During the period from 1986 until 1993, we successfully installed neutron shielding material in numerous casks, and other specialty applications, such as shield doors, plugs, etc. Some of the applications where Bisco successfully installed neutron shielding materials where I was involved in the formulation, mixing and pouring activities are listed below:

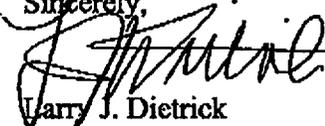
- NUHOMS Cask – Calvert Cliffs (NS-3)
- NUHOMS Cask – Oconee (NS-3)
- ENSA Cask – (NS-4-FR)
- NAC Cask (material installed in Japan) – (NS-4-FR)
- Radiation Shielded Glove Boxes, Los Alamos – (NS-3)
- Radiation Shield Doors – Argonne – (NS-3)
- Shielded Lift Truck – Sandia – NS-4-FR

Mr. Brian Gutherman
Holtec, International
May 25, 2000

All of these projects were performed during my employment at Bisco Products. In 1993, the owner of Bisco Products, Dow Corning Corporation, decided to exit the nuclear shielding market, and I left Bisco in April, 1993. At some later date, Dow Corning sold the rights to the Bisco shielding materials to GESC, a Japanese company. In October 1996, I was contracted by GESC to perform some consulting work for them related to heat aging testing of NS-4-FR. Specifically GESC was interested in the long term heat aging testing that was performed by Bisco on NS-4-FR at 170C. At that time I provided them a written report summarizing the results of testing that was performed on the NS-4-FR while I was employed there.

The above information summarizes my involvement in the development, testing and production of NS-4-FR while employed by Bisco Products. If you require additional information, please contact me at 630-493-2210.

Sincerely,



Larry J. Dietrick
SCIENTECH, Inc