



Arkansas Department of Health

4815 West Markham Street • Little Rock, Arkansas 72205-3867 • Telephone (501) 661-2000
Fay W. Boozman, M.D. Director
Mike Huckabee, Governor

October 29, 1999

Mr. Seung Lee
Materials & Safety Inspection Branch
U.S. Nuclear Regulatory Commission
Mail Stop T-8F5
Washington, D.C. 20555

RE: Custom Made Sealed Source Evaluation
For Process Technology Inc.
West Memphis, Arkansas

Dear Mr. Lee:

Several months ago, documentation requests related to the Arkansas Department of Health's evaluation of custom made sealed sources for Process Technology Inc. were made by U.S. Nuclear Regulatory Commission (NRC) staff members. This week, during archive file searches, I located information related to this particular evaluation and subsequent problems with the manufactured sources. In order to assist you in the assembly of a more complete file, this documentation is attached.

(1) SAFETY EVALUATION OF SEALED SOURCES -- NO: AR-474-S-106-S

- (a) Seven (7) page evaluation of a custom made irradiator source manufactured by Neutron Products, Inc. having a maximum activity of 22,000 Curies of Cobalt-60 dated May 31, 1983.
- (b) Transmittal Letter dated June 1, 1983, to Robert Doda, State Agreements Program, Region IV, requesting that the NRC review Arkansas' sealed source evaluation.
- (c) NRC concurrence letter dated July 22, 1983, to Bernard Bevill, from Robert Doda, Chief, State and Government Relations Staff, NRC Region IV.

(2) "MICROCRACK" CONTROVERSY

- (a) Department's MEMORANDUM FOR RECORD dated August 19, 1982.
Bevill's memorandum which provides a synopsis of events leading up to the resolution of "microcracked" sealed sources for Process Technology, Inc.

-Continued-
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PDR. RC X SSD

Letter to Seung Lee, NRC
RE: Sealed Source Evaluation
& 'Microcracks'
Process Technology Inc.
October 29, 1999

(2) "MICROCRACK" CONTROVERSY (Con't)

(b) Department's MEMORANDUM FOR RECORD dated August 23, 1982.

Bevill's memorandum which provides documentation related to events directly leading up to the consultant testing of the "microcracked" sealed sources on March 26, 1982, at Neutron Product Inc.'s Maryland facility.

(c) Shaw, Pittman, Potts & Trowbridge -- A Partnership of Professional Corporations request dated December 20, 1982, for ALL documents in the Department's possession related to manufacture of the Neutron Product Inc.'s sealed sources of the Process Technology Inc.

(d) Department's response dated January 7, 1983, to the above request for documentation associated with the 'microcracked' sources.

(e) Department's letter dated August 23, 1983, to Robert Doda, Region IV, regarding the "continuing" litigation between Process Technology, Inc. and Neutron Products, Inc.

If you have ANY questions related to the matter, please feel free to call me. My telephone number is (501) 661-2301.

Sincerely,



Bernard Bevill, Supervisor
Division of Radiation Control &
Emergency Management Programs

pc: Snellings
Thompson
Mack
McLean (NRC)