

Docket No. 70-00303

AUG 23 1982 License No. SNM-281

Carnegie-Mellon University  
ATTN: Dr. Edward Shatz  
Chairman, Radiation  
Safety Committee  
5000 Forbes Avenue  
Pittsburgh, Pennsylvania 15213

Gentlemen:

Subject: Inspection No. 82-01

This refers to the special safety inspection conducted by Mrs. Teresa Hall Darden of this office on July 22-23, 1982 of activities authorized by NRC License No. SNM-281 and to the discussions of our findings held by Mrs. Darden with yourself at the conclusion of the inspection.

This inspection was limited to a review of those activities conducted under your license relating to plutonium/beryllium (PuBe) sealed sources. The Department of Energy has identified PuBe sources with end caps not welded in place and has recommended appropriate nondestructive examination of the outer end cap welds of all PuBe source. Although one of your sources could not be inspected on July 23, 1982, the inspector visually examined the welds of six of your PuBe sources. No apparent defects were identified; however the inspector also discussed the advantages of conducting additional nondestructive tests by qualified personnel and appropriate radiation safety precautions during such tests. A wipe sample was taken from each end cap weld area and was analyzed in our Regional Office Laboratory. This analysis identified no significant removable radioactive contamination, which is in agreement with your leak test results.

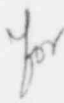
Within the scope of this inspection, no violations were observed.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter will be placed in the Public Document Room.

No reply to this letter is required. Your cooperation with us in this matter is appreciated.

Sincerely,

Original Signed By:  
John D. Kinneman

 Thomas T. Martin, Director  
Division of Engineering and Technical  
Programs

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AUG 23 1982

cc:  
Public Document Room (PDR)  
Nuclear Safety Information Center (NSIC)  
Commonwealth of Pennsylvania

bcc:  
Region I Docket Room (with concurrences)  
Chief, Operational Support Section (w/o encl)

*Kaw*  
for  
RI:DETP  
Darden/gwc  
8/18/82

*Kaw*  
RI:DETP  
Kinneman  
8/19/82

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