

AUG 23 1982

Docket No. 30-17178

License No. 20-04028-04

Williams College
ATTN: Francis H. Dewey III
Vice President for Administration
and Treasurer
Williamstown, Massachusetts 01267

Gentlemen:

Subject: Inspection No. 82-01

This refers to the routine safety inspection conducted by Mr. R. Ladun of this office on July 22-23, 1982 of activities authorized by NRC License No. 20-04028-04 and to the discussions of our findings held by Mr. Ladun with Dr. L. J. Kaplan of your staff at the conclusion of the inspection.

The inspection was an examination of activities conducted under your license as they relate to radiation safety and to compliance with the Commission's rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, measurements made by the inspector, and observations by the inspector.

This inspection also included 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 sources. The inspector visually examined the welds of your PuBe source. 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.

Based on the results of this inspection, it appears that one of your activities was not conducted in full compliance with NRC requirements, as set forth in the Notice of Violation, enclosed herewith as Appendix A. This violation has been categorized by severity level in accordance with the NRC Enforcement policy (10 CFR 2, Appendix C) published in the Federal Register Notice (47 FR 9987) dated March 9, 1982. You are required to respond to this letter and in preparing your response, you should follow the instructions in Appendix A.

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The responses directed by this letter and the accompanying Notice are not subject to the clearance procedures of the Office of Management and Budget as required by the Paperwork Reduction Act of 1980, PL 96-511.

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 and your reply will be placed in the Public Document Room.

Your cooperation with us in this matter is appreciated.

Sincerely,

Original Signed By:
John D. Kinneman

for

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

Enclosure: Appendix A, Notice of Violation

cc w/encl:
Public Document Room (PDR)
Nuclear Safety Information Center (NSIC)
Commonwealth of Massachusetts (2)

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

for
RI:DETP
Ladun/gwc
8/18/82

Kinneman
RI:DETP
Kinneman
8/19/82