



NRC REGION 4
ATLANTA, GEORGIA

EMORY & HENRY COLLEGE

EMORY, VIRGINIA 24327

DEPARTMENT OF PHYSICS

August 18, 1980

Nuclear Regulatory Commission
Attn: J. Phillip Stohr, Chief
Fuel Facility and Materials Safety Branch
101 Marietta Street, NW, Suite 3100
Atlanta, GA 30303

Dear Sir:

I am writing in reply to your letter, August 7, 1980, RII:WWP, 45-04169-03/80-01. This letter was in regard to a notice of two apparent violations of our NRC license for using radioactive sources. I have been away from my office much of the summer and apologize for not being present when Mr. W.W. Peery conducted the inspection.

In regard to the first item listed as a violation, I can find no record of making use of these two sources since the last leak test. License Condition 14A(3) states that the leak test is not required when the sealed sources are stored and not being used. I did perform a leak test on August 5, 1980 and found no activity on any wipe (i.e., less than 2 micro micro Ci) on any sealed source.

The second item listed as a violation was in regard to a record of receipt of the Co-60 source. I have located the shipment data sheet from Nuclear Chicago Corp. and enclose a copy of this sheet for your information. I called your Atlanta office and was informed by an inspector, Mr. Woodruff, I believe, that this sheet would probably be satisfactory.

I hope that the information supplied above will be adequate to explain the apparent violations. If you need additional information, please let me know and I will try to locate it.

Thank you for your assistance and please accept my apologies for the problems which have arisen.

Sincerely yours,

Cecil M. Nelson
Cecil M. Nelson
Professor of Physics

CMN:vg

Enclosure

5009300 574

POOR ORIGINAL

NUCLEAR-CHICAGO CORPORATION
223 W. ERIE STREET
CHICAGO 10, ILLINOIS

CUSTOMER DATA SHEET
FOR
RADIOACTIVE SEALED SOURCES

3/3/59

AEC#

45-4169-1

CUSTOMER EMORY & HENRY College

P.O. 43723

B¹⁰ TUBE NO. DR. L. T. DOUGLAS

NUCLEAR-CHICAGO SOURCE NO. NC-127

NUCLEAR-CHICAGO DWG NO. A-RR-60-X-1,2,3,4

ACTIVITY CONTENT: 1 millicurie

5.28 mCi/HR/MT

CHEMICAL FORM Co⁶⁰

LEAK TEST PROCEDURE

LEAK TEST DATE, NUCLEAR-CHICAGO 3-3-59

METHOD OF LEAK TEST AEC Approved

SOLVENT USED H₂O, ACETONE, ALCOHOL

INSTRUMENTS USED Cutie Pie, DS-5 (Well Type - SCINT-X)

SOURCE TO BE LEAK TESTED ON 3-3-60

RADIATION SURVEY

TYPE MEASUREMENT J

INSTRUMENT USED Cutie Pie

MAXIMUM SURFACE RADIATION FROM PACKAGE 1 MR/HR @ 1 meter

SHIPPING CONTAINER NO. SH-P6 TYPE 602

APPROVED FOR SHIPMENT

HEALTH PHYSICS

RADIATION SURVEY

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Robert J. Clark