



U.S. DEPARTMENT OF COMMERCE
National Bureau of Standards
Boulder, Colorado 80302 0394

November 20, 1978

Mr. Paul R. Guinn
License Management Branch
Division of Fuel Cycle and Material Safety
U.S. Nuclear Regulatory Commission
Washington, D.C. 20556

Dear Mr. Guinn:

The following information was requested by you in our telephone conversation of October 7, 1978, regarding renewal of our Byproduct Material License Number 05-03166-05.

The Cobalt 60 Civil Defense Training Set (Item B on the application) is a CDV-792, Model 3, S/N 475, O. G. Kelly and Co., Boston, Mass.

The 17 curie Cs 137 source was sent back to its owner, NASA. See attached transfer certificate.

Film badges, on a monthly basis, will be contracted with the R. S. Landauer Co., of Culver City, California, when the 4 curie cesium source is placed back into service.

Our monitoring instruments are an Eberline Model RM-3A and an Eberline E-500B. They are calibrated at the University of Colorado Physics Laboratory on a two year schedule while the sources are being stored. Leak tests are compared with a 0.005 microcurie check source.

If you have any further questions, feel free to call me at 323-3948.

Sincerely,

Winston W. Scott, Jr.
Safety Officer, NBS/Boulder

7903050301

RADIOACTIVE MATERIAL TRANSFER RECEIPT

(See instructions on reverse side of Original or Record Copy, Copy 3)

BUDGET BUREAU NO. 101-R0039

Actual expires May 31, 1972

SECTION I - ORIGATION INFORMATION (Originator complete this section)

0394

A. ITEM DATA

(1) NAME OF ITEM

Industrial Nucleonics Corporation Sealed Source

(2) SERIAL NUMBER

CSX-34

(3) ISOTOPE

Cesium 137

(4) ACTIVITY (MILLICURIES)

17,000

(5) PHYSICAL AND CHEMICAL FORM OF RADIOACTIVE MATERIAL

Sealed Source in Model DH-7 Source Holder

(6) ACTIVITY DETERMINED BY (Check one)

DATE DETERMINED

☒ RECORD INFORMATION

☐ CALCULATION

☐ MEASURED BY: _____

(7) PURPOSE OF ITEM

For density measurement of cryogenic slush and/or liquid

(8) LEAK TEST CERTIFICATE PROVIDED WITH THIS TRANSFER?

☒ YES

☐ NO

☐ EXEMPT

B. ACCOUNTABILITY DATA

(1) TRANSFERRED FROM (LICENSEE'S NAME)

U.S. Department of Commerce
National Bureau of Standards
Boulder Laboratories

LICENSE NUMBER

05-03166-05

(Check one)

☒ AEC

☐ STATE OF _____

(2) TRANSFERRED TO (LICENSEE'S NAME)

Nat'l Aeronautics & Space Admin
Marshall Space Flight Center,
Alabama

LICENSE NUMBER

01-06571-10

(Check one)

☒ AEC

☐ STATE OF _____

C. RESPONSIBLE INDIVIDUAL (Shipper's Radiological Control Officer or equivalent)

(1) SIGNATURE

Winston W. Scott, Jr.

TITLE

NBS-BL Radiation Safety Officer

DATE

8-24-73

TELEPHONE NO.

499-1000
22248

(2) ORIGINATING ORGANIZATION (Complete address - Include Zip Code)

National Bureau of Standards
Boulder, Colorado 80302

D. SHIPPING DATA

(1) DATE SHIPPED

About 8/28/73

(2) ADDRESSED TO (Include Zip Code)

Charles Crouch, Marshall Space Flight Ctr
Bldg. 4475, S & Z - ASTB - LTR
Huntsville, Alabama 35812

(3) MODE OF SHIPMENT (Specify)

Truck Freight

(4) NAME OF CARRIER

Boulder-Denver Truck Line
Lee Way Freight Inc.

(5) TRANSPORTATION DOCUMENTATION (Give name & number of shipping document)

Will Call

SECTION II - DESTINATION INFORMATION (Receiver complete this section)

A. RECEIPT INFORMATION

(1) DATE ITEM RECEIVED

10-11-73

(2) CONDITION

OK

(3) INFORMATION IN BLOCK

NA

SHOULD BE CORRECTED TO:

B. RESPONSIBLE INDIVIDUAL (Receiver's Radiological Control Officer or equivalent)

SIGNATURE

Charles Crouch

TITLE

RSO

DATE

11-12-73

TELEPHONE NO.

1662-110

C. DISPOSITION OF ITEM

(1) NAME OF CUSTODIAN

Charles Crouch

3-3274

TELEPHONE NO.

(2) DISPOSITION AND LOCATION

in storage in Bldg. 4475

BY STEVE / MA
WILSON 3-77

AREA SURVEY OF Cs 137 SOURCE (17c.) IN OPENED SHIELD (OPERATING) CONDITIONS

all readings in mr/hr

circled numbers represent readings below platform



