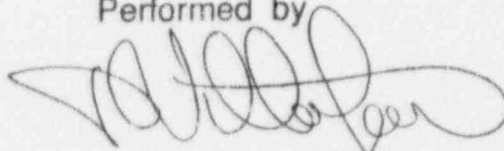


June 6, 1994
Leak Test Report
Harry Morgan MD
Private Office
Philadelphia , Pa.

Performed by



Theodore Villafana PhD, DABR
Consulting Radiological Physicist
3935 Countrywood Lane
Hatboro , Pa., 19040

5146

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A. Purpose and Results of Leak Test Survey

Purpose: The purpose of this survey was to assure that sealed Calibration sources and or Flood sources were not leaking radioactive material. Such leakage would pose a contamination hazard. These sources are to be transferred to the JFK Memorial Hospital (Philadelphia , Pa.)

Results: Detectable levels of removable radioactive contamination on sealed sources was found to be less than 0.005 μCi which is the maximum allowable by Pa. state regulatory codes. It is permissible to transfer sources to the JFK Memorial Hospital.

B. Methods and Instrumentation

Swipes over sealed sources as well as inside and outside their storage pigs were obtained. Swipes consisted of moistened Q-tips which were passed over the various surfaces most likely to be contaminated by a radioactive leak.

Instrumentation used consisted of a Picker Spectroscaler with well counter. Counting windows were chosen to include energies of emission of the various sources.

Institute of Radiological Science
397 COUNTRYWOOD LANE
DARTMOUTH, PA. 19040



Dr. Betty Morgan
Radiology Dept
JFK Memorial Hospital
Cheltenham + Langford St.
Philadelphia, Pa. 19124

#5



**JOHN F. KENNEDY
MEMORIAL HOSPITAL**

The Nuclear Medicine Department at John F. Kennedy Hospital received nuclear check sources from Dr. Harry E. Morgan on July 29, 1994 at 9 A.M.

The carry box was monitored using a G.M. meter at the distance of 1 meter and 3 meters. The results were at 1 meter .5 mr/hr., at 3 meters .3 mr./hr. After the box was emptied the interior measured .005 mr./hr. Wipe tests were performed. Wipe tests were performed on all contents of the container.

The inventory received from Dr. Harry Morgan was as follows:

C057 product #C057-EGAG90

Lot. No. 205/2289

Activity 5.68 mCi. Cal Date 12/4/92

Present activity 1.26 mCi. at 10:56 A.M. on 7/29/94

C057 Cat NES-206 Cal Date 11/17/88 Cal. 5.3 mCi.

Serial No. S206032-041

Present activity 25 microcuries at 10:58 A.M. on 7/29/94

C057 NES206 5.3 mCi. Cal Date 9/11/90

Serial No. S206049-012

Present activity at 11:00 A.M. on 7/29/94 141 microcuries

Ba 133 Vial E CAT NES358 290 microcuries Cal Date 9/22/88

Serial No. S358005-048

Present activity 202 microcuries at 11:02 A.M. 7/29/94

CS137 200 microcuries Cal Date 5/9/88 on outside label

Lot # 205-25-244 Cal Date on vial 4/1/89

Present activity 180.0 microcuries

Also we received 2 spot C057 Buttons

1. Marker ID# 2055 Cal Date 5/91

Present activity 11.0 microcuries at 3:45 P.M. on 7/29/94

2. Marker ID# 67-288 Cal Date 8/91

Present activity 3.3 microcuries at 3:50 P.M. on 7/29/94

1 line source - no identify no.

#6

Thank you
Donna Shovlin RT

Donna Shovlin R.T.

THEODORE VILLAFANA PHD ,DABR
RADIOLOGICAL SAFETY CONSULTANT
3935 COUNTRYWOOD LANE
HATBORO , PA. 19040

Dr. Harry Morgan
8123 Stenton Ave.
Philadelphia, Pa.

8/31/94

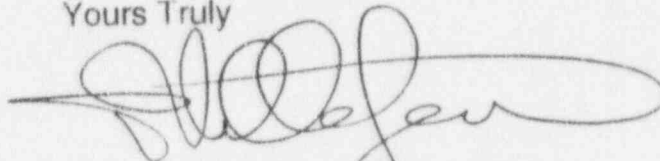
Dear Dr. Morgan:

Enclosed is the results of a close out survey I performed at your site. I understand that you have ceased handling radioactive materials at this site.

In summary I performed both a radiation level survey as well as a wipe test survey to detect possible removable contamination in and around the hot lab as well as the gamma camera scan area. all tests indicate that these areas can return to normal non-restricted area functions.

As always your staff was a pleasure to work with and I look forward to further participation in your radiation safety program.

Yours Truly



Theodore Villafana PhD ,DABR
Radiological Safety Consultant

#7