

Memo to File:

Centro de Servicios Cardiológicos del Sur
License No. 52-31183-01
Docket No. 030-37328
Control No. 144249

During an audit of licensing actions, it was identified that the termination of this license did not include a review of the leak test of the sources that were transferred, only a telephone discussion confirming that the sources did not leak.

The consultant for this license transferred the sources to another licensee-client (LN 52-31386-01), and was the individual who performed leak tests of the sources pursuant to LN 52-25430-01. The consultant was asked to provide copies of the leak tests for the sources that were transferred.

The leak test records for the June 3, 2009 leak test performed most recently prior to the transfer of the sources, and for the January 19, 2010 leak test performed at location to which sources were transferred, were provided in a facsimile dated May 19, 2010. The leak test results confirm that the sources did not leak.

The information in this memo and the faxed information is public, non-sensitive, normal release date.

Betsy Ullrich **/RA/**
Senior Health Physicist, DNMS, RI
5/20/2010

NATURE SAVER™ FAX MEMO 01616		Date	5-19-10	# of pages	3
To	Jess Nguyen	From	David Phu		
Co./Dept.		Co.			
Phone #		Phone #	787-245- 7248		
Fax #	610 337 5269	Fax #	787-292-7979		

Información
Centro de Servicios Cardiológicos del Sur
LN 52-31183-01
DN 030-37328
Control No. 144249

Leak Test Record
NRC License 52-25430-01

Leak Tested For: Centro Cardionuclear - Guayama
Leak Tested By: David Rhoe

Standard Source: Cs-137
Standard Activity: 0.100 uCi Nominally
Date of Standard: Nov. 1, 1986

Date of Leak Test: 6/3/2009
Decay Activity: 0.05931 From decay chart
Standard (dpm): 131668

Gamma

Instrument: Beckman
Instrument Model Number: 5500
Instrument Serial Number: 8044788

Standard (cpm) 36992
Efficiency: 0.28095 28.1 %
Counting time (minutes) 1
Background (cpm) 140
Minimum Detectable Activity: 2.683E-05

Wipe (Smear) Test: All external or accessible surfaces of the source or housing are wiped with a piece of filter paper or other absorbent material which has been moistened with an appropriate solvent and the activity removed is measured.

Source ID and Serial Number	Gamma	
	Wipe Test	Sample Activity
Cs-137 Sn103594 191.2 uCi 2/1/2007	118	0.00019
Ba-133 Sn103179 272.5 uCi 2/1/2007	102	0.00016
Co-57 Sn103142 5.557 mCi 2/1/2007	94	0.00015
Co-57 Flood - NA	0	0.00000

This test reveals that 0.005 microcuries or less was present as removable contamination. Should the removable contamination exceed 0.005 microcuries, the source must be removed from use and necessary measures taken according to NRC regulations.


David Rhoe Health/Medical Physicist

Leak Test Record
NRC License 52-25430-01

Leak Tested For: Caguas Nuclear Imaging Center
 Leak Tested By: David Rhoe
 Standard Source: Cs-137
 Standard Activity: 0.100 uCi Nominally
 Date of Standard: Nov. 1, 1986
 Date of Leak Test: 1/19/2010
 Decay Activity: 0.05848 From decay chart
 Standard (dpm): 129826

Gamma

Instrument: Beckman
 Instrument Model Number: 5500
 Instrument Serial Number: 8044788

Standard (cpm) 36089
 Efficiency: 0.27798 27.8 %
 Counting time (minutes) 1
 Background (cpm) 95
 Minimum Detectable Activity: 2.234E-05

Wipe (Smear) Test: All external or accessible surfaces of the source or housing are wiped with a piece of filter paper or other absorbent material which has been moistened with an appropriate solvent and the activity removed is measured.

Source ID and Serial Number	Gamma	
	Wipe Test	Sample Activity
Cs-137 Sn103594 191.2 uCi 2/1/2007	102	0.00017
Ba-133 Sn103179 272.5 uCi 2/1/2007	131	0.00021
Co-57 Sn103142 5.557 mCi 2/1/2007	116	0.00019
Co-57 Flood - NA	0	0.00000

This test reveals that 0.005 microcuries or less was present as removable contamination. Should the removable contamination exceed 0.005 microcuries, the source must be removed from use and necessary measures taken according to NRC regulations.



 David Rhoe Health/Medical Physicist