

September 23, 1985

John E. Glenn, Chief
Nuclear Material Safety Section B
Division of Radiation Safety & Safeguards
Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

R.E. Inspection No. 030-01769/85-01

Dear Dr. Glenn:

Pursuant to the provisions of 10 CFR 2.201, submitted below are our responses to violations found by Mr. T. K. Thompson on June 26, 1985. The responses are lettered and numbered the same as the violations.

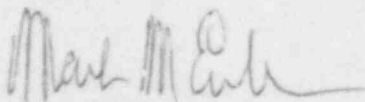
A. (1) The technologists have been instructed by our consulting physicist on the proper reading of a survey meter. In the future, any new technologist will also be given this instruction. Full compliance was achieved June 27, 1985.

A. (2) Our consulting physicist has determined the efficiency of the counting instrument and has prepared a worksheet to be used by the technologists (enclosed). The technologists will be instructed in the proper use of the work sheet. This instruction will also be given to any new technologists. Full compliance was achieved September 23, 1985.

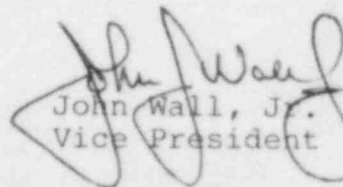
B. A check sheet has been prepared by our consulting physicist to determine that the daily constancy checks are within + or - 5 percent (enclosed). In addition, the technologists have been instructed to check this sheet daily to determine that the calibrator is within + or - 5 percent. If not, the calibrator cannot be used until it is repaired or adjusted. The sheet will be updated yearly to correct for decay of the Cs-137 source. Full compliance was achieved on June 27, 1985.

If you require additional information, please contact Chet Bradbury at 207-795-2459.

Sincerely,



Mark Eule, M.D.
Radiation Safety Officer



John Wall, Jr.
Vice President

brm

8511110057 851105
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Lewiston, Maine 04240

OCT 02 1985

Tel. (207) 786-2901

WEEKLY WIPE TEST WORK SHEET

DATE ____/____/____

TECHNOLOGIST _____

Cs-137

H.V. _____

Peak CPM _____

Bkgd CPM _____

Baseline 640

Window 40

Wipes

Baseline 100

Window 80

P+ #1	_____	CPM - Bkgd	_____	CPM =	_____	CPM x 17 ^{dpm} /cpm =	_____	1*	_____	2**	_____
P+ #2	_____	CPM - Bkgd	_____	CPM =	_____	CPM x 17 ^{dpm} /cpm =	_____		_____		_____
P+ #3	_____	CPM - Bkgd	_____	CPM =	_____	CPM x 17 ^{dpm} /cpm =	_____		_____		_____
P+ #4	_____	CPM - Bkgd	_____	CPM =	_____	CPM x 17 ^{dpm} /cpm =	_____		_____		_____
P+ #5	_____	CPM - Bkgd	_____	CPM =	_____	CPM x 17 ^{dpm} /cpm =	_____		_____		_____
P+ #6	_____	CPM - Bkgd	_____	CPM =	_____	CPM x 17 ^{dpm} /cpm =	_____		_____		_____

1* The dpm/cpm must be changed each time the efficiency changes.

2** If the dpm exceeds 200 dpm the area must be decontaminated.
(Regulatory Guide 10.8 Rev. 1 App. I)

Radiation Physics Services
Physics Consultants, Inc.
Radiologic Facility Planning

Facility: ST MARY'S GENERAL HOSPITAL

LIMITS FOR DAILY CS-137 AND Ba-133 DOSE CALIBRATOR CHECKS

Valid from 1/85 to 1/86

Source: Cs-137 S/N 3560682A-33
214 uCi on 6/1/82

<u>Setting</u>	<u>Acceptable Activity Range (uCi)</u>
Cs-137	191 to 212
Tc-99m	352 to 389
I-131	247 to 273
Xe-133	217 to 239

Source: Ba-133 S/N 3580682A-21
261 uCi on 6/11/82

<u>Setting</u>	<u>Acceptable Activity Range (uCi)</u>
Ba-133	209 to 231

The limits must be updated yearly and/or when a new source is purchased.

Prepared by,

Chet Bradbury
Chet Bradbury, B.S., R.T.N.M.
Radiation Safety Specialist

CB/mfk

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