To: Tom Decker

Warren Memorial Hospital
ValleyHealthSystem

Rec'd EICS
06/20/01

June 13, 2001

Anne Boland, Acting Chief
Materials/Licensing Inspection Branch 1
Division of Nuclear Materials Safety

Dear Ms Boland:

I am writing in response to the inspection dated March 26, 2001. The violations noted have been corrected or are in the process of being corrected. I have also included the posted material as part of the reply.

I would like to note the sane, civil, and very professional manner the inspection was conducted. Although three inspectors looking at a one-tech department appeared daunting at first, their obvious respect for my patients and me was very apparent. The inspection felt more like an educational opportunity with suggestion to make my department safer and to improve the workflow.

If there are any questions, please do not hesitate to call me (540) 636-0252.

Sincerely,

Larry Smith
Director Radiology/Nuclear Medicine

1000 North Shenandoah Avenue • Front Royal, Virginia 22630
540-636-0300 • Fax 540-636-0258

A. Surveys:

1. Surveys were done with incorrect settings.
   No dispute, surveys were being done.
2. During Inspection:
   The Lead inspector (there were three) in-serviced the acceptable technique to perform survey. Included were what settings, probe use and etc.
2. The changes were implemented at that time. Amended notice has been posted in the Scan room.

B. Surveys were done, but on wrong settings.

1. Again Lead inspector in-serviced during the inspection on proper procedure and settings. These were adopted at the time of inspection.

C. Audits:

1. Health physicist's audits were not available for review during inspection.
   a. Consultation with the Health Physicist's audits and other Nuclear Medicine related reports will be e-mailed (H.P. does not have office on site) to the Radiology department. A file will be made and a disc made to allow redundant back up of information. A computer upgrade will be occurring in June 2001 to allow for increase in information storage. The exact date of the upgrade is not known at this time, but should be accomplished by June 30, 2001.

RADIATION MONITORING

ADMENTMENT

A. TLD Finger Ring

1. The ring was worn with TLD portion on posterior portion of hand. The Technologist works in both the Nuclear Medicine and in the Radiology department. Rings if worn in Radiology need to be worn with TLD in Traditional Ring style, for the same reason it needs to be worn palmer in Nuclear Medicine.
   a. Notice has been posted in Nuclear Medicine Department as to proper way ring TLD is to be worn and signed by Nuclear Medicine personnel. This was in acted at time of inspection.

2. Tech not wearing ring.
   Radiology and Nuclear Medicine are on opposite sides of the building, office where badges are kept. Tech was working in Radiology when inspectors arrived. The tech allowed their arrival to be unsettling and forgot ring badge when they went to Nuclear Medicine.

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TITLE	**RADIATION MONITORING**	**CODE #**	
FACILITY	Warren Memorial Hospital	**PAGE #**	1
DEPARTMENT(S)	• Nuclear Medicine	•	
EFFECTIVE DATE	26 March 2001	**FUNCTION**	TLD finger monitor
REVIEWED		**RESOURCE**	NRC
REVISED		**MANUAL**	

APPROVAL

SIGNATURE / TITLE	SIGNATURE / TITLE
Radiology Director Medical Director of Radiology	V.P. Patient Care Services President of Medical Staff

ADDENDMENT:

1. TLD FINGER MONITOR

   A. Ring monitor badge is to be worn with TLD to palmer surface. In other words backward from the way a regular ring would be worn.
   B. In adherence to Section A, Orange Radiation Resistance gloves are to be worn when working with radioactives in Hot Lab area. Ring is to be worn TLD palmer and inside of glove.

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APPROVAL

SIGNATURE	TITLE	SIGNATURE	TITLE
_____	Radiology Director	_____	V.P. Patient Care Services
_____	Medical Director of Radiology	_____	President of Medical Staff

ADMENDMENT: 26 MARCH 2001 CORRECTIVE

1. Ludlum – 14C Survey instrument is to be used to assay radiation levels.
2. Ludlum – 14C external probe is to be used with face open to allow for accurate surveys
3. Ludlum-14C is to be set at x100 for survey
4. Prior to survey place external probe to dedicated check source (making sure cover is open) to confirm instrument function.

* External probe face always open when surveying.