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39 OCT 3 All: 29

September 29, 1989

Nuclear Regulatory Commission
Att. Document Control Desk
Washington DC 20555

RE: "Reply to a Notice of Violation"

On previous visit by a Region II representative of the Nuclear Regulatory Commission I was found in violation of the articles mentioned in the inspection report number 52-17659-92-89-01. After the inspection by Mr. Bermúdez on July 28, 1989 and after an explanation of the circumstances by Mr. Bermúdez, I agreed with him that I was in violation of a number of NRC requirements.

Upon receiving a follow-up telephone call by Mr. Bermúdez, it was made known to him and his superior that the following measures had already been taken:

- A) Form NCR-3 "Notice to Employees" had been posted--one copy in each of the two employees office. License and operating procedures will be posted at the administrators office.
- B) Leak test was done and shall be repeated each six (6) months with the filing of records. (Copy of the latest was forwarded to NRC.)
- C) As in B). Leak test already performed. Copy included.
- D) The material is now kept in a locked safety box which is kept in a locked closet.
- E) The closet where the source is kept, which is in the same room where it is used, already has a warning sign posted in view of all personnel.
- F) Landauer (Tech/Ops Landauer, Inc.) has already been contacted for the servicing of its ring dosimeter.

All the requirements found in violation have already been complied with except for the ring dosimeter which I estimate should be available one month from the date of this letter.

Cordially yours,

8910030487

Manuel Garratón, MD

MG/pv

79p

ccRegional Adm., Region II

A : Dr. Manuel Garratón
Aguadilla, P.R.

DE : ~~_____~~ Daniel Torres, M.S. *Daniel Torres*
Físico

ASUNTO : LEAK TEST S -90 & CALIBRATION

FECHA : 29 de abril de 1985

Pruebas de escape tomadas a su aplicador Beta dan los siguientes resultados. *Leak test results:*

1. El aplicador no muestra escape alguno. Todas las lecturas están por debajo de 0.0005 μCi . *no sign of leakage; < 0.0005 μCi*
2. De igual manera la caja que sirve de envase no tiene contaminación Beta. *no evidence of beta contamination in applicator's case.*

Una nueva calibración para hoy abril 29 de 1985 dá un "Dose rate" de 46 Rads/ sec. *46 rads/sec as of 4/29/85.*

Favor de hacer los ajustes necesarios para el tratamiento de cada paciente. *Please make necessary adjustments for each patient's treatment.*

DTB 10/5/89

DANIEL TORRES, M.S.C.

RADIATION PHYSICIST

16 de agosto de 1989

Dr. Manuel Garratón
Aguadilla, P.R.

Estimado Dr. Garratón:

En base a la consulta que usted me hizo respecto a la radiación recibida durante el uso del aplicador Beta quiero explicarle lo siguiente. *Based on our discussion, these are my findings: (consultation)*

1. Su aplicador Beta al presente da una exposición de *MR/hr.* a una distancia de 1 pie del aplicador. *Dose rate from applicator: 710 mrads/hr @ 1ft*

El rendimiento en base a la actividad original es de 42 Rads/sec. en contacto con el aplicador. *42 Rads/sec contact with the tip of the applicator*

2. Asumiendo los datos que usted dió sobre el uso semanal del aplicador *Assuming 1 patient de 1 paciente por semana y un tiempo de exposición menor a 1 minuto, per week, 1 minute* consideramos que su exposición fué mínima o por debajo de los límites *treatment, your permisibles. Para corroborar este dato debe obtener un dosímetro de exposure has been anillo (ring) de la Landaver Co. (dirección incluida) minimal under permissible limits. In order to verify this data, you should obtain ring dosimetry from Landaver.*

3. frotos al aplicador son negativos para escape. Ninguna lectura excede 0.0005 microcuries. *negative leak test results.*

4. La dirección para el servicio de dosímetros es: *Landaver's address;*

Landaver Co.
Tech/Ops Landaver, Inc.
2 Science Road
Glenwood, Illinois
60425-1586

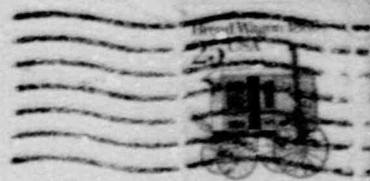
Deseo informarle que esta evaluación de su aplicador no es oficial ni válida para N.R.C. porque mi licencia está expirada y no pienso renovarla *due to its high cost.* *Future leak tests should be sent to the U.S.*

Los próximos "Leak test" debe tramitarlo en E.U. para lo cual puedo ayudarle.

Atentamente,

Daniel Torres, M.S.
Físico

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