

-----Original Message-----

From: Frank Ottino  
Sent: Friday, February 18, 2005 11:38 AM  
To: Leslie Parker PhD  
Cc: Gary Weinstein; Rich Frank  
Subject: FW: FW: Close out survey of RIA Lab

Hi Frank:

I have responded to the questions. I hope this helps. The only thing that I can suggest is looking into the Isotope Committee minutes from way back if they still exist. I did give regular reports to Dr. Bhatnagar. But many years have passed. I know I disposed of all of my Committee reports before I left for Colorado. I hope all of this helps.

I will be happy to help more if I can. Please let me know.

RE Question 1: We used only I-125 and Co-57. A typical kit contained less than 5 microcuries. We typically had 5-6 kits in use at any given time, which means we were using less than 30 microcuries at a time.

RE question 2: We performed radiation surveys at the end of each month. A swab wipe of the work areas, the storage area, the centrifuge and the sink where the liquid material was disposed was counted in a Picker Gamma counter. We required that the count be less than 90cpm over background. As far as I remember we never exceeded this limit. We also surveyed the lab area where the RIA testing was performed with a Victoreen meter. We never exceeded the permitted limit of 0.2 mR/hr.

RE question 3: Yes a final survey would have been done when we removed the equipment. The results would have been within the limits since we never did exceed the limits. The actual documentation no longer exists.

We were only required to keep the records for two years after termination of the procedures. We actually kept them for much longer but I do not believe they still exist.

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Dr. Parker,

The NRC is not yet able to close out the RIA authorization on The Washington Hospital license. To aid in fulfilling the close out of the RIA lab I had the NRC put into a written request exactly what they need answered to finish this task. I said that I would forward this to you. You can read the NRC email immediately following this email; From: Penny Lanzisera. Please review and respond if you can. In the mean time I will be working with the Hospital to make certain that the microfilm of your lab survey records are indeed long gone.

Thank you for your patience's with this matter.

Frank Ottino  
The Washington Hospital

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-----Original Message-----

From: Penny Lanzisera [mailto:LAN@nrc.gov]  
Sent: Friday, February 18, 2005 11:24 AM  
To: FOttino@washingtonhospital.org  
Cc: LAT@nrc.gov; Michelle Simmons  
Subject: Re: FW: Close out survey of RIA Lab

MCN: 136065  
DN: 03003126  
LN: 37-10363-01

Frank Ottino, RSO  
Washington Hospital

Please address the following issues related to the release of areas previously used for in vitro activities:

- 1) Describe the quantities of activities handled at any one time (e.g., microcuries)
- 2) Indication of whether a final closeout survey was performed after kits were no longer used in this area that included all equipment (e.g., lab benches, sinks, refrigerators, etc.) and the area of use.
- 3) Provide the results of the final closeout survey performed (e.g., whether wipe surveys were background levels).

Thank you for your assistance,  
Penny Lanzisera & Michelle Simmons  
US NRC, Region I

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>>> Frank Ottino <FOttino@washingtonhospital.org> 02/18/05 09:22AM >>>  
Michele,

Here is the statement made by Dr. Parker, the recently retired director of The Washington Hospitals' labs. If I can be of any further help please do not hesitate to give me a call.

Thanks,

Frank Ottino

> -----Original Message-----  
> From: Leslie Parker PhD  
> Sent: Thursday, February 17, 2005 11:24 PM  
> To: Frank Ottino  
> Cc: Gary Weinstein; Rich Frank  
> Subject: RE: Close out survey of RIA Lab  
>  
> Frank:  
>  
> The last time I modified our RIA handling procedures was in 1990. It  
> would be shortly after that we stopped working with isotopes. All of  
> our records were put on microfilm and stored in the attic. I am sure  
> they are long gone. Since we were dealing trace amount of isotopes,  
> we were even allowed to dispose of them by pouring them down the Rad  
> sink. We did do regular surveys of the working areas and they were  
> never above background levels. The surveys consisted of wiping the  
> surfaces of our lab and counting these samples in our well counter, a  
> scintillation counter. Wipes were obtained from those areas were  
> radioactive contamination would most likely be found, i.e. bench tops,  
> centrifuges, Rad sink, Rad refrigerator, etc..  
>  
> As I told you earlier we no longer have any radioactive standard

> sources. Our work area was located in what is now the pathology  
> secretaries' office.  
>  
> Leslie Parker, PhD  
> Chief Biochemist  
>  
>

**Mail Envelope Properties** (421B37E1.74D : 1 : 35540)

**Subject:** MCN 136065 - Washington Hospital  
**Creation Date:** Tue, Feb 22, 2005 8:47 AM  
**From:** Penny Lanzisera

**Created By:** PAN@nrc.gov

**Recipients**

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LAT (LAT@nrc.gov)  
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<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	797	Tuesday, February 22, 2005
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RIACloseout survey.doc	26624	Tuesday, February 22, 2005
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