

REPLY TO A NOTICE OF VIOLATION

June 24, 2005

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REGION 1

2005 JUN 22 PM 1:22

U.S Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

RE:  
Nanticoke Memorial Hospital  
Seaford, DE 19973

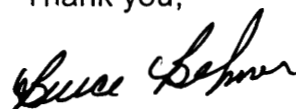
Docket No. 03013060 /2005001  
License No. 07-17618-01

To Whom It May Concern:

During an NRC inspection conducted on May 26, 2005, it was found that this facility did not have a written procedure for area surveys. As of June 22, 2005, this facility has developed, approved and implemented a written procedure/policy for area surveys. This policy is now permanently included in the facility's database and nuclear medicine procedures manual. A copy of this procedure/policy is included in this response.

The above mentioned action should now place this matter in accordance with 10 CFR 20.1101 and meet the requirements of 10 CFR 20.1501 and 10 CFR 35.70.

Thank you,



Bruce Behner  
Vice President  
Nanticoke Memorial Hospital  
801 Middleford Rd.  
Seaford, DE 19973

Cc: Nuclear Regulatory Commission  
Regional Administrator Region 1  
475 Allendale Rd.  
King of Prussia, PA 19406

NMSS/RGNI MATERIALS-004

## Nanticoke Memorial Hospital

<b>TITLE: DAILY AREA SURVEY</b>	<b>Policy #</b>
	<b>Database # 3538</b>
<b>CATEGORY: Procedure</b>	<b>Page: 1 OF 1</b>
<b>OWNER: DON GOLDSMITH</b>	<b>Effective: 6/05</b>
<b>MANUAL: NUCLEAR MEDICINE</b>	<b>Reviewed:</b>
<b>Committee Review: CPPC, RAD</b>	<b>Revised:</b>
<b>Signature: _____ / ____ / ____</b>	<b>Required Review:</b>

### PURPOSE

To check areas in which isotopes have been used or stored for possible contamination. This procedure is to be performed at the end of the working day and following after hour call ins.

### PERSONNEL

Nuclear Medicine Technologist

### EQUIPMENT

Area Survey Meter

### PROCEDURE:

1. Verify proper operation of survey meter by it's check source. If the check source has a removable cover, remove the cover prior to check.
2. Survey specific areas as designated within the daily area survey form, example attached, to include areas in which possible contamination may be suspected at a distance to probe no greater than 3 feet.
3. Survey trigger levels are as follows:

Unrestricted Areas: 0.1 mR/hr

Restricted Areas: 5.0 mR/hr

If the trigger levels are exceeded, the source of the contamination must be isolated and removed by standard contamination methods to include, but not limited to, RadiacWash, decontamination foam or other cleaning agents. Decontamination cleaning must be repeated as needed until meter readings are as low as possible, or minimally, below the appropriate trigger level. Items used in the cleaning of contaminated areas must be placed in radioactive storage areas. In the event the contamination cannot be removed below trigger levels, the contaminated item must be isolated in radioactive storage until such time as it surveys below trigger levels.

4. Survey records can be found in the hot lab computer and printed records are located in the daily record binder.



## AREA METER SURVEY

Location: Nuclear Medicine

Test Date/Time: 06/21/2005 16:18

Next Due: 6/22/06

Instrument: Ludlum      Make: Ludlum      Model: 14c  
Serial#: 204439      ID:  
Background: 0.02 mR/Hr      Instrument check results: pass  
Test initials: DON      Last calibration: 10/27/04

1	Hot Lab Fume Hood	Restricted	0.06	0.04	1
2	Hot Trash Cabinet 1	Restricted	0.06	0.04	1
3	Hot Trash Cabinet 2	Restricted	0.04	0.02	1
4	Hot Lab Computer/Printer Counter	Restricted	0.04	0.02	1
5	Hot Lab Sink/Counter	Restricted	0.02	0	1
6	Acquisition Workstation	Non-Restricted	0.03	0.01	0.1
7	Camera Gantry	Non-Restricted	0.02	0	0.1
8	Patient Dose Administration Area (Exam Room 1)	Non-Restricted	0.02	0	0.1
9	Patient Exam Bed	Non-Restricted	0.02	0	0.1
10	Processing Workstation	Non-Restricted	0.02	0	0.1
11	Patient Dose Administration Area (Exam Room 2)	Non-Restricted	0.03	0.01	0.1
12	Bathroom	Non-Restricted	0.02	0	0.1
13	Ultrasound/Hotlab Common Wall	Non-Restricted	0.02	0	0.1
14	Cardiology Stress Lab	Non-Restricted	0.02	0	0.1
15	Tech Hands AM	Non-Restricted	0.02	0	0.1
16	Tech Hands PM	Non-Restricted	0.03	0.01	0.1
17	Tech Feet AM	Non-Restricted	0.02	0	0.1
18	Tech Feet PM	Non-Restricted	0.02	0	0.1