

# Lewis-Gale Medical Center

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## SENT VIA CERTIFIED MAIL

May 17, 2005

J-1

MS-16

Michelle Beardsley  
Nuclear Materials Safety Branch  
U.S. Nuclear Regulatory Commission, Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

Re: Amendment to USNRC License #45-09207-01 HCA Lewis-Gale  
Medical Center  
Docket Number: 03003333  
Control Number: 136772

Dear Ms. Beardsley:

This letter is in response to your request for additional information sent to me on May 11, 2005. The responses will follow your lettered paragraphs in the original request.

- a. Please find attached a signed Delegation of Authority as taken from NUREG 1556 Vol. 9, attached.
- b. The Radiation Safety Officer (RSO) will have a specific budget at his disposal, expenditure from which will be authorized by his signature. The magnitude of the budget will be decided upon in further discussion, but will include costs for personnel monitoring program, equipment purchase, repair, and calibration, reference books, and any other needs to enable the Radiation Safety Program to function satisfactorily.
- c. We have requested that the RSO duties at this facility be handled within three (3) days per month.
- d. Alternate RSO's include Mr. James Nunn of Physics Associates and James Matthews, MD, Medical Center Staff. The RSC has approved these individuals to act if and when the RSO cannot be reached, but are directed to immediately report their actions when communication is reestablished. Note that Dr. Anthony's consulting territory is normally within a 1.5 hour travel time, either by car or plane.

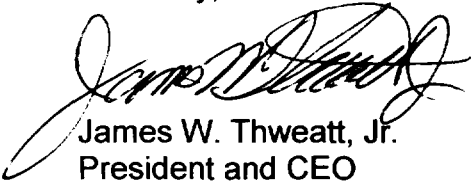
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May 17, 2005  
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- e. Dr. Anthony is normally available by telephone or cell phone on a 24/7 basis. His home and primary office are both less than ten (10) miles from the Medical Center. As stated above, in an emergency situation Dr. Anthony/Mr. Nunn are no more than 1.5 hours from the medical center.

I trust these responses are satisfactory and thank you for your assistance with this amendment request.

Sincerely,



James W. Thweatt, Jr.  
President and CEO

JWT:ibr

Attachment

pc: Dr. Lee S. Anthony

## **Duties and Responsibilities of the Radiation Safety Officer and Delegation of Authority**

### **RSO's Duties and Responsibilities**

The RSO's duties and responsibilities include ensuring radiological safety and compliance with NRC and DOT regulations and the conditions of the license. Model procedures for describing the RSO's duties and responsibilities appear below. Applicants may either adopt these model procedures or develop alternative procedures to meet the requirements of 10 CFR 35.24.

These duties and responsibilities include ensuring the following:

- Stopping unsafe activities involving licensed material;
- Radiation exposures are ALARA;
- Up-to-date radiation protection procedures in the daily operation of the licensee's byproduct material program are developed, distributed, and implemented;
- Possession, use, and storage of licensed material is consistent with the limitations in the license, the regulations, the SSDR Certificate(s), and the manufacturer's recommendations and instructions;
- Individuals installing, relocating, maintaining, adjusting, or repairing devices containing sealed sources are trained and authorized by an NRC or Agreement State license;
- Personnel training is conducted and is commensurate with the individual's duties regarding licensed material;
- Documentation is maintained to demonstrate that individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits or that personnel monitoring devices are provided;
- When necessary, personnel monitoring devices are used and exchanged at the proper intervals, and records of the results of such monitoring are maintained;
- Licensed material is properly secured;
- Documentation is maintained to demonstrate, by measurement or calculation, that the total effective dose equivalent to the individual likely to receive the highest dose from the licensed operation does not exceed the annual limit for members of the public;
- Proper authorities are notified of incidents such as loss or theft of licensed material, damage to or malfunction of sealed sources, and fire;
- Medical events and precursor events are investigated and reported to NRC, and cause(s) and appropriate corrective action(s) are identified, and timely corrective action(s) are taken;

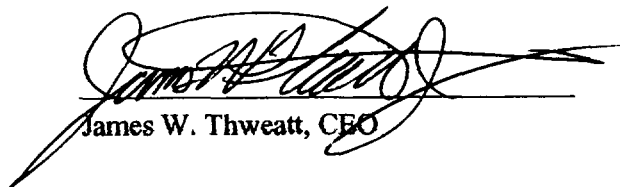
- Audits of the radiation protection program are performed at least annually and documented;
- If violations of regulations, license conditions, or program weaknesses are identified, effective corrective actions are developed, implemented, and documented;
- Licensed material is transported, or offered for transport, in accordance with all applicable DOT requirements;
- Licensed material is disposed of properly;
- Appropriate records are maintained; and
- An up-to-date license is maintained and amendment and renewal requests are submitted in a timely manner.

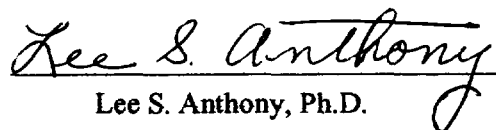
### Delegation of Authority

Memo To: Radiation Safety Officer  
 From: Chief Executive Officer  
 Subject: Delegation of Authority

You, Lee S. Anthony, Ph.D., have been appointed Radiation Safety Officer and are responsible for ensuring the safe use of radiation. You are responsible for managing the radiation protection program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; stopping unsafe activities; and ensuring compliance with regulations. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of byproduct material by employees who do not meet the necessary requirements and shutting down operations where justified by radiation safety. You are required to notify management if staff do not cooperate and do not address radiation safety issues. In addition, you are free to raise issues with the Nuclear Regulatory Commission at any time. It is estimated that you will spend 6 hours per week conducting radiation protection activities.

I accept the above responsibilities,

  
 James W. Thweatt, CEO

  
 Lee S. Anthony, Ph.D.

3/22/05  
 Date

22 March, 2005  
 Date

cc: Affected department heads