



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

August 21, 2006

Docket No. 03037210  
Control No. 138844

License No. 45-31155-01

George A. Reed  
Director of Scientific Services  
Howard Hughes Medical Institute  
Janelia Farm Research Campus  
19700 Helix Drive  
Ashburn, VA 20147

SUBJECT: HOWARD HUGHES MEDICAL INSTITUTE , REQUEST FOR ADDITIONAL  
INFORMATION CONCERNING APPLICATION FOR NEW LICENSE,  
CONTROL NO. 138844

Dear Mr. Reed:

This is in reference to your letter dated August 11, 2006 providing additional information on your application for a Nuclear Regulatory Commission license. In order to continue our review, we need the following additional information:

The information you provided regarding your request for a limited scope byproduct material license does not address each of the areas under "Response from Applicant" in each section of our NUREG 1556, Vol. 7 as was discussed with your proposed Radiation Safety Officer on August 1, 2006. Additionally the information that was provided for a proposed authorized user is not sufficient in that the only training indicated is ALARA training. ALARA training alone would not normally be adequate. The proposed authorized user only shows experience with up to 1 microcurie of P-32, H-3 and S-35; however, your license application requests considerably greater quantities of byproduct materials.

At this point we again request that you review NUREG 1556, Vol. 7 and address each section as requested under "Response from Applicant". You may extract information from your original broadscope application where applicable, but you must address each section where information is requested in NUREG 1556, Vol.7.

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Toolkit Index Page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

We will continue our review upon receipt of this information. Please reply to my attention at the Region I Office and refer to Mail Control No. 138844. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5303.

G. Reed  
Howard Hughes Medical Institute

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If we do not receive a reply from you within 15 calendar days from the date of this letter, we will assume that you do not wish to pursue your application.

Sincerely,

***Original signed by Thomas K. Thompson***

Thomas K. Thompson  
Senior Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

cc:  
Essala D. Lowe, Radiation Safety Officer

G. Reed  
Howard Hughes Medical Institute

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**SUNSI Review Complete: TThompson**

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NAME	TThompson /TKT/							
DATE	8/21/06							

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