



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, ILLINOIS 60532-4352

**FEB 10 2008**

Julia M. (Shan) Marlette, M.S.  
Radiation Safety Officer  
Marquette General Health System  
580 West College  
Marquette, MI 49855-2705

Dear Ms. Marlette:

Enclosed is Amendment No. 59 to your NRC Material License No. 21-05432-04 in accordance with your request. Please note that the changes made to your license are printed in **bold font**.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please note that I was unable to approve Dr. Arthur Greene as an authorized user of iodine-131 for diagnostic uses at this time because the information in your letter dated January 24, 2008, was insufficient to complete my review.

If you wish to pursue this request, please submit the information requested below and address it to my attention as "additional information to control number 316698." We will then continue our review.

Dr. Greene was not approved as an authorized user of iodine-131 for diagnostic uses because the referenced license provided in support of his application to become an authorized user on your license did not include this authorization for him. Therefore, I was unable to approve him for this use.

Please submit written information demonstrating that Dr. Greene meets the training and experience criteria in 10 CFR 35.13, 35.14, 35.57, 35.59 and 35.392, as appropriate.

Please refer to the above regulatory requirements as well as section 8.11, item 7 and Appendices B, D and E in NUREG 1556, Vol. 9, Rev. 2, for assistance in preparing your response.

If Forms 313a will be used in support of your response, please use the newly revised Forms found on our website at:

[http://www.nrc.gov/reading-rm/doc-collections/forms/nrc313a\(aut\).pdf](http://www.nrc.gov/reading-rm/doc-collections/forms/nrc313a(aut).pdf)

In addition, if Dr. Greene is certified by a medical specialty board that we no longer accept, you may find the guidance in RIS 2003-17 helpful, found at this link on our website:

<http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2003/ri200317.pdf>

Please do not submit resumes, CV's, or personal, proprietary information that we must protect, in accordance with 10 CFR 2.390, such as social security numbers, dates of birth, home addresses or phone numbers, patient records, college transcripts, etc.

Please also note that, contrary to the letter dated November 8, 2007, submitted for Dr. Mehall's expanded authorization to include yttrium-90 Sirspheres, this modality of use is not authorized by 10 CFR 35.300. It is considered an "Emerging Technology" and is licensed under 10 CFR 35.1000, as stated in Subitem Nos. 6 through 9. G. on your license. Since your letter still provided sufficient information to approve Dr. Mehall for this use, I added this authorization.

Please review the guidance for this technology at:

<http://www.nrc.gov/materials/miau/med-use-toolkit/microsphere.pdf>

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). The NRC's document system is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Statement of Policy and Procedure for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,

  
Colleen Carol Casey  
Materials Licensing Branch

License No. 21-05432-04  
Docket No. 030-18133

Enclosure: Amendment No. 59