



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

NOV 24 2004

Stephen T. Slack, Ph.D.
Radiation Safety Officer
Research Medical Center
2316 East Meyer Boulevard
Kansas City, MO 64132

Dear Dr. Slack:

Enclosed is Amendment No.10 renewing your NRC Material License No. 24-17998-02 in accordance with your request. Please note that the changes made to your license are printed in **bold font**.

Your license has been issued for a ten year term and will not expire until November 30, 2014.

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.

- A. In the course of conducting my review of your application dated May 24, 2004, I noted that certain sections of the application contained discrepancies and incomplete information such that I was unable to rely solely upon this application in order to issue your renewed license. Therefore, to ensure a complete license I continued all of your previously submitted documents in Condition No. 17.

For your information only (no response required at this time), the discrepancies and incomplete information noted include the following:

1. The manufacturer of your GSR unit has been updated to MDS Nordion Inc., based upon the most recent Sealed Source and Device Registry certificate for this device..
2. Your application refers to your GSR unit as "Model U." I found no mention of a "Model U" in the most recent Sealed Source and Device Registry certificate. Therefore, I did not use that terminology in preparing the license document.
3. Dr. Stephen S. Nigh was not included in your list of authorized users for human use in the application for renewal. As no explicit direction was provided to delete his authorization, I continued his authorization and assumed this was an oversight on your part.

If you wish to delete Dr. Nigh from this license you may explicitly request it in a future amendment.

4. Peter Debus, M.S., and Stephen S. Nigh, M.D. were not included in your list of authorized users for non-human use in the application for renewal. As no explicit direction was provided to delete these authorized users, I continued these authorizations and assumed this was an oversight on your part.

If you wish to delete these individuals from the license you may explicitly request it in a future amendment.

5. Peter Debus, M.S. was not included in your list of authorized medical physicists in the application for renewal. As no explicit direction was provided to delete his authorization, I continued his authorization and assumed this was an oversight on your part.

If you wish to delete Mr. Debus from this license, you may explicitly request it in a future amendment.

6. I noted that your facility diagrams were copies of blueprints. Please do not submit copies of blueprints or actual blueprints because the information that they contain is inappropriate and insufficient for licensing purposes.

7. Your application did not provide:

1. Information about your facility that included the location, room numbers and principal use of each adjacent room, including areas above, beside and below the therapy treatment room, as well as whether each room is a restricted or unrestricted area, as defined in 10 CFR 20.1003;
2. Shielding calculation and information about the type, thickness, and density of necessary shielding to enable independent verification of shielding calculation, including the directions of primary beam usage.

In the alternative, the diagrams, descriptions and information originally provided for your GSR facility should have been resubmitted and statements made as to whether any changes to the facility's shielding or structural integrity have been made since it was first licensed.

As this information was not provided in your application, I continued the originally submitted documents in Condition No. 17.

8. Please be reminded that new regulations for GSR units are in effect in revised 10 CFR Part 35, Subpart H, especially, Parts 35.610 and 35.645. It appeared that some of these required procedures were not explicitly provided in your application. Therefore, I continued the originally submitted documents in Condition No. 17. to capture that information.

- B. Your amendment has been prepared in accordance with newly revised 10 CFR Part 35, including several new standard license conditions and updated reformatting for several other Conditions. Since revised 10 CFR Part 35 has become effective and NUREG 1556, Vol. 9 has been issued, please use this new document to prepare future licensing correspondence. 10 CFR Part 35 and NUREG 1556, Vol. 9 should have been sent to you automatically and are available, respectively, on our website at:

"<http://www.nrc.gov/reading-rm/doc-collections/cfr/part035/> "

and"<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v9/nureg-1556-9.pdf> "

Using the above regulation and guidance, especially the NUREG 1556 series documents, will help ensure that your licensing correspondence is prepared more completely and in a less burdensome manner. You may realize the benefit of a reduced regulatory burden while enhancing safety and maintaining compliance and efficiency if you establish your license in this manner.

If you have any questions concerning this amendment please contact me at either (630) 829-9841 or (800) 522-3025.

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.

Please note that on October 25, 2004, the NRC suspended public access to ADAMS, and initiated an additional security review of publicly available documents to ensure that potentially sensitive information is removed from the ADAMS database accessible through the NRC's web site. Interested members of the public may obtain copies of the referenced documents for review and/or copying by contacting the Public Document Room pending resumption of public access to ADAMS.

The NRC Public Document Room is located at NRC Headquarters in Rockville, MD, and can be contacted at 800-397-4209 or 301-415-4737 or pdr@nrc.gov.

Sincerely,



Colleen Carol Casey
Materials Licensing Branch

License No. 24-17998-02
Docket No. 030-33507

Enclosure:

Amendment No. 10