

FILE COPY

AUG 19 1985

University of Minnesota  
W-172 Boynton Health Services  
ATTN: Jerome W. Staiger  
Radiation Protection Officer  
410 Church Street, S.E.  
Minneapolis, MN 55455

Gentlemen:

Enclosed is Amendment No. 02 to your NRC License No. 22-00187-52 in accordance with your request.

This will also acknowledge my telephone conversations with Dr. Faiz Kahn and Mr. Gordon Girtz on July 25, 1985, during which Sections 20.203 (c)(6)(iv) and (vii) of 10 CFR Part 20 and your proposed in-house training program were discussed. Based upon these discussions, it appears that you are complying with the above referenced regulations. With regard to your training program as discussed we will reconsider your request after receipt of information describing in greater detail time spent on each topic area, tests used to determine competency and a description of expanded on-the-job program, etc. We have enclosed an NRC irradiator guide for your review.

Please review the enclosed document carefully and be sure that you understand all conditions. You must conduct your program involving radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Possess radioactive material only in the quantity and form indicated in your license.
3. Use radioactive material only for the purpose(s) indicated in your license.
4. Notify NRC in writing of any change in mailing address.
5. Request and obtain appropriate amendment if you plan to change ownership of your organization, change locations of radioactive material, or make any other changes in your facility or program which are contrary to your license conditions or representations made in your license application and any supplemental correspondence with NRC. Any amendment request should be accompanied by the appropriate fee specified in 10 CFR Part 170.

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6. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.
7. Request termination of your license if you plan to permanently discontinue activities involving radioactive material prior to your expiration date.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions and representations in your license application will result in enforcement action against you in accordance with the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

If you have any questions or require clarification of any of the above stated information, contact us at (312) 790-5625.

Sincerely,

Original Signed By  
George M. McCann  
Materials Licensing Section

Enclosure(s):

1. Amendment No. 02
2. Guide for Preparation of  
Applications for Licenses for  
Use of "Panoramic Dry-Source-Storage  
Irradiators"

R111

McCann/cm  
07/25/85

# CONVERSATION RECORD

TIME 8:42am

DATE 25 July 1985

TYPE

☐ VISIT

☐ CONFERENCE

☒ TELEPHONE

☐ INCOMING

☒ OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

Dr Faiz Khan

ORGANIZATION (Office, dept., bureau, etc.)  
University of Minnesota  
Minneapolis, Minn

TELEPHONE NO.

(612) 373

3167

SUBJECT

C/N 77376

SUMMARY

1) Discussed 20.203(C)(6)(iv) and 20.203(C)(6)(vii). According to Dr Khan the room does have a scram button inside the room and daily checks of interlocks and related safety systems.

2) Discussed access control, locking of doors and physical present of operator in area. One key to unit. Therapy supervisor maintains keys <sup>key</sup> logged in and out.

3) Discussed training program. They will submit information pertaining to instruction operators as additional information.

Dr Vesley Director of Group

Gordon Girtz

10:05am

Assistant  
AHP works with

Staiger

} Discussed above  
at 10:05am  
07/25/85

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

ACTION TAKEN

SIGNATURE

TITLE

DATE

## CONVERSATION RECORD

TIME

8:20 am

DATE

25 July 1985

TYPE

☐ VISIT☐ CONFERENCE☐ TELEPHONE☐ INCOMING☐ OUTGOING

ROUTING

NAME/SYMBOL

INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT  
WITH YOU

Nate Bassin

ORGANIZATION (Office, dept., bureau,  
etc.)

NMSS-HQ

TELEPHONE NO.

427-  
9026

SUBJECT

C/N 77376

SUMMARY

Discussed 20.203(c)(6) requirements regarding University of Minnesota conversion from a medical teletherapy unit to non-human research purposes. After discussion it appeared that licensee satisfies requirements listed on pages 8 and 9 of Regulatory Guide, 1) except for maintaining in-room alarm button 2) day-to-day checks.

We also discussed licensee's commitments for training of users.

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

mpe mpc

ACTION TAKEN

SIGNATURE

TITLE

DATE

# CONVERSATION RECORD

TIME

DATE

TYPE

☐ VISIT

☐ CONFERENCE

☐ TELEPHONE

☐ INCOMING

☐ OUTGOING

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

ORGANIZATION (Office, dept., bureau, etc.)

TELEPHONE NO.

University of Minnesota  
Minneapolis, Minn

(612) 373

SUBJECT

C/N 77376

ROUTING

NAME/SYMBOL

INT

SUMMARY

- 1) Will provide names of non-human users, training and experience, will provide criteria used by isotope committee if it their intent to approve users in-house - will describe training also
- 2) Will clarify intended use, ie. human & non-human or non-human use only, also confirm irradiation will not involve explosives and flammable chemicals
- 3) Will describe surveys and audits to assure properly function of all safety related equipment
- 4) Will submit operating and emergency procedures
- 5) will discuss calibration of survey instruments
- 6)

ACTION REQUIRED

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

ACTION TAKEN

SIGNATURE

TITLE

DATE