



REPLY TO
ATTENTION OF
Preventive Medicine
Consultants Division

DEPARTMENT OF THE ARMY
OFFICE OF THE SURGEON GENERAL
WASHINGTON, DC 20310

July 11, 1985

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NRC

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REGION VISE

US Nuclear Regulatory Commission
Region V
1450 Maria Lane
Suite 210
Walnut Creek, CA 94596

Gentlemen:

Two copies of a request for amendment/renewal of USNRC License
No. 46-026415-05, Madigan Army Medical Center are enclosed.

Recommend approval.

Sincerely,

Richard W. Field
Colonel, Medical Service Corps
Radiological Hygiene Consultant

Enclosure

FEE EXEMPT

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REG5 LIC30
46-02645-05 PDR

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DEPARTMENT OF THE ARMY
MADIGAN ARMY MEDICAL CENTER
TACOMA, WASHINGTON 98431-5000

REPLY TO
ATTENTION OF

HSHJ-RP

20 June 1985

SUBJECT: Request for Amendment to Nuclear Regulatory Commission License
46-02645-05, Madigan Army Medical Center

THRU: Commander
USA Health Services Command
ATTN: HSCL-P
SAK 25 June 85
~~Fort Sam Houston, TX 78234-6000~~

Office of the Surgeon General
ATTN: HQDA (DASG-PSP-E)
Washington, DC 20310

TO: United States Nuclear Regulatory Commission
License Management Branch, Region V
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596

1. References.

- a. Byproduct Material License Nos. 46-02645-03 and 46-02645-05.
- b. Letter, DASG-PSP-E, 30 April 1985, Office of the Surgeon General, Washington, DC 20310, subject: Nuclear Regulatory Commission (NRC) Decentralization of Licensing Authority and endorsement thereto, Headquarters, USA Health Services Command (HSCL-P), 10 June 1985.
- c. Title 10, Code of Federal Regulations (CFR), Part 35, Human Uses of Byproduct Material.
- d. "Protocol for the Dosimetry of X- and Gamma-Ray Beams with Maximum Energies Between 0.6 and 50 MeV," Physics in Medicine and Biology, Vol. 16, No. 3, 1971, pages 379--396, American Association of Physicists in Medicine (AAPM).
- e. "A Protocol for the Determination of Absorbed Dose from High-Energy Photon and Electron Beams," Medical Physics, Vol. 10, No. 6, November/December, 1983, pages 741--771, American Association of Physicists in Medicine (AAPM).

2. Title 10 CFR Part 35.21(c) requires that calibration of Cobalt-60 teletherapy units be performed IAW the procedures recommended by the Scientific Committee on Radiation Dosimetry (SCRAD) of the American Association of Physicists in Medicine (AAPM) (reference 1d). This calibration protocol published in 1971, however, has since been updated and

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HSHJ-RP

20 June 1985

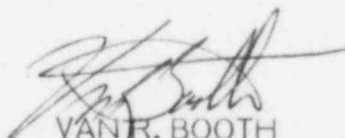
SUBJECT: Request for Amendment to Nuclear Regulatory Commission License
46-02645-05, Madigan Army Medical Center

superceded by the Task Group 21 (TG-21), Radiation Therapy Committee, AAPM protocol entitled "A Protocol for the Determination of Absorbed Dose from High-Energy Photon and Electron Beams" published in 1983 by the AAPM (reference 1e).

3. This medical center is not absolutely certain that an amendment to our teletherapy license BML No. 46-02645-05 is necessary merely incident to the fact that the AAPM SCRAD calibration protocol originally endorsed by the NRC in 10 CFR 35.21(c) has been superceded by the updated TG-21 calibration protocol published by the same organization for the same types of teletherapy units. In an effort to ascertain if a license amendment was required, the Radiation Therapy Clinic of this medical center telephonically contacted Mr. David D. Skov, Radiation Specialist, Region V, NRC office on 12 June 1985. Mr. Skov referred us to MS. Pat Vacca of the Washington, DC office of the NRC. She telephonically indicated that a license amendment appeared to be necessary given the fact that 10 CFR 35.21(c) has not yet been updated to specify the most recent (TG-21) AAPM teletherapy unit calibration protocol.

4. Request that the above described situation regarding the fact that the current 10 CFR 35.21(c) does not yet reflect the most recent AAPM teletherapy unit calibration protocol be evaluated by your office and a license amendment allowing this medical center to calibrate our Cobalt-60 teletherapy unit and our Varian 6MV LINAC under the new (TG-21) AAPM protocol be issued if deemed necessary by your office.

FOR THE COMMANDER:


VAN R. BOOTH
MAJ, MSC
Adjutant