NAVAL REGIONAL MEDICAL CENTER
OAKLAND, CALIFORNIA 94627

IN REPLY REFER TO
2-19D:KM:BH
6470
30 April 1981

From: Commanding Officer, Naval Regional Medical Center, Oakland, CA 94627
To: Material Licensing Branch, United States Nuclear Regulatory Commission, Washington, D.C. 20555
Via: Bureau of Medicine and Surgery (Code 3C22) Washington, D.C. 20372

Subj: NRC Byproduct Materials License No. 04-00716-02; request for amendment to

Encl: (1) Floor Plan, Building 110, NRMC Oakland
(2) NRMC Oakland ALARA Program Description

1. It is requested that subject license be amended to allow:

a. Temporary storage of low-level radioactive waste in sealed 30 and 55 gallon shipping drums (prior to removal to a burial site) in a portion of a storage building (Building 110) on the grounds of NRMC Oakland. This site has not been previously licensed for storage of radioactive materials.

b. Long term storage for decay to background levels of certain short-lived radionuclides, followed by disposal in the ordinary trash. The site for long term storage is Building 110, a storage building on the grounds of NRMC Oakland. In support of this, it is requested that item 8.0.of our Byproduct Materials License be amended to read "10 millicuries of each byproduct material authorized in Subitem 6.0".

c. Inclusion of the NRMC Oakland ALARA program. For documentation, see enclosure (2).

2. Building 110 is a two story building of wood frame construction and includes an outside, covered storage area surrounded by chain link fence. It is kept locked at all times when unoccupied. Access is limited to Public Works personnel who require only infrequent entry. Keys are held by the Public Works Officer. The majority of floorspace will continue to be used for storage by Public Works with only a portion of the building at the rear of the first floor being used for short and long term low level radioactive waste storage.

3. A diagram of the proposed storage area is attached as enclosure (1). Initially, a small, approximately 200 sq. ft, completely enclosed area on the first floor will be the only area used for waste storage. It is anticipated that in the future this area will be expanded to include the additional first floor spaces indicated. Partitions or fence barriers will be constructed as indicated to secure access to the entire area. Any area used for radioactive waste storage will be kept separately locked with keys retained by the Radiological Health Officer.

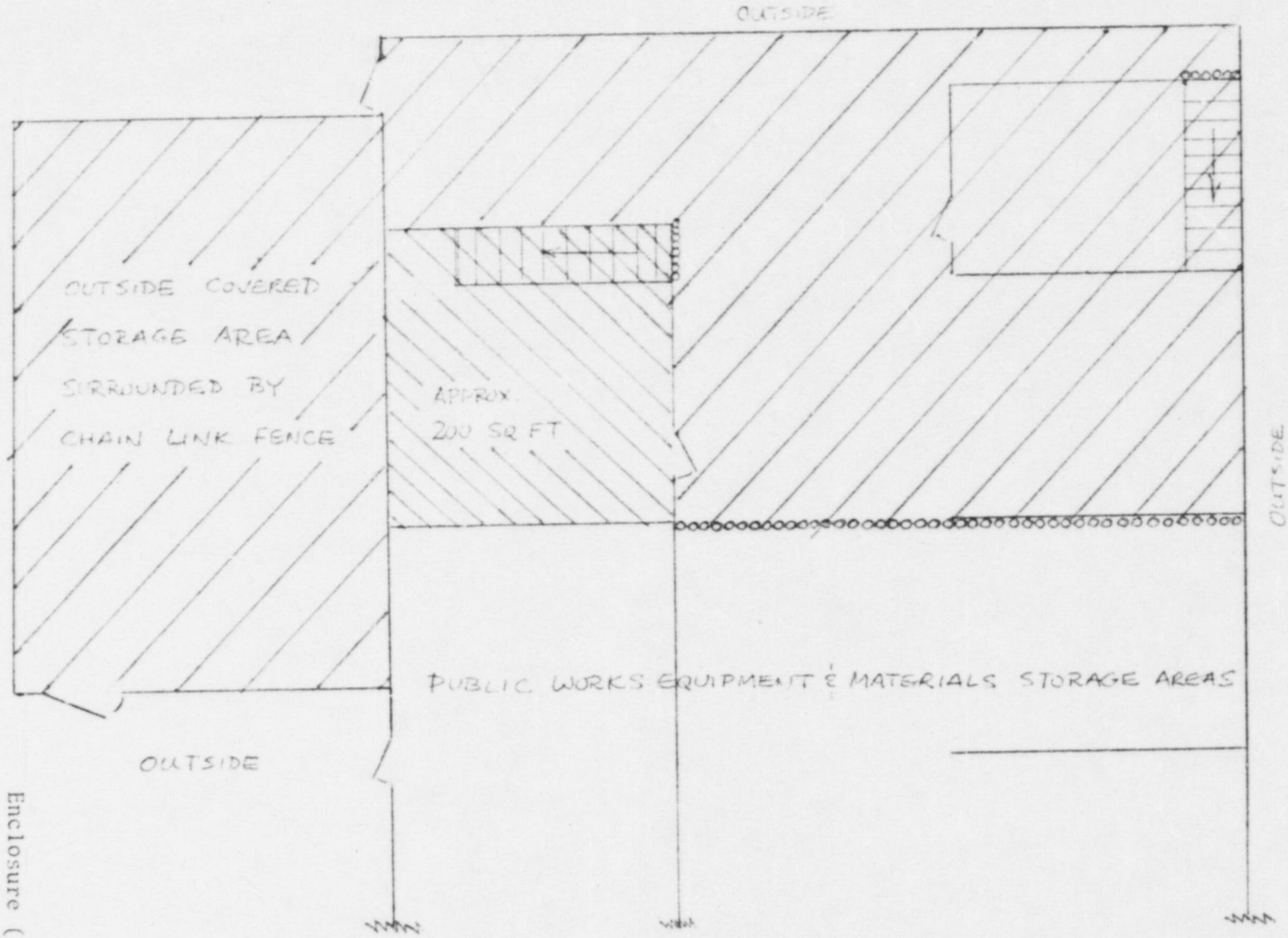
4. Radioactive waste will be stored in 30 or 55 gallon drums or other appropriately shielded containers to keep radiation levels at the perimeter of the storage area within the limits of 10 CFR 20.105. A radiation survey of the perimeter will be made whenever radioactive materials are added to the storage area as well as monthly while the area is in use. Appropriate radiation warning signs will be posted at the perimeter of the storage area. No permanent shielding will be installed. Byproduct material will be stored in appropriately shielded containers. In addition, a variety of lead bricks, pigs and sheeting is available to Radiological Health for construction of custom shielded areas if these were to be required.

5. Prior to disposal of decayed waste, it will be monitored to ensure that it has decayed to background levels. Procedures for this survey are given in Section 3, paragraph 4.c. (2) of the NRMC Oakland Radiation Safety Manual, included as enclosure (3) to our license renewal application dated 15 January 1979. A record of these surveys will be maintained.

6. Questions concerning this license amendment application may be directed to the NRMC Oakland Radiological Health Officer, LCDR Karl Mendenhall, at (415) - 639-2526.

W. M. LONERGAN
RADM MC USN

BUILDING 110 NAVAL REGIONAL MEDICAL CENTER OAKLAND, CA 94627
PROPOSED RADIOACTIVE WASTE STORAGE AREA SCALE 1/8" = 1'



Enclosure (1)

07901

AREA TO BE USED INITIALLY FOR WASTE STORAGE. AREA IS TOTALLY ENCLOSED AND LOCKABLE

AREAS FOR FUTURE EXPANSION OF WASTE STORAGE CAPABILITIES. WILL REQUIRE CONSTRUCTION OF PARTITIONS OR CHAIN LINK FENCING (INDICATED BY ooooo) TO SECURE ACCESS TO AREA.