

070-01373



DEPARTMENT OF THE ARMY
U.S. ARMY ELECTRONIC PROVING GROUND
FORT HUACHUCA, ARIZONA 85613-7110



REPLY TO
ATTENTION OF

STEEP-CT-0 (70)

JUN 21 1989

MEMORANDUM FOR United States Nuclear Regulatory Commission, Region V, 1450
Maria Lane, Suite 210, Walnut Creek, CA 94596-5000

SUBJECT: Amendment to Nuclear Regulatory License Numbers SNM 1448 and BML
02-09090-02

1. Reference:

- a. US Nuclear Regulatory Commission License 02-09090-02, as amended.
- b. US Nuclear Regulatory Commission License SNM 1448.
- c. Telephone conversation, 19 Jun 89, above subject, between Mr. George Broxton, US Army Electronic Proving Ground, Ms. Beth Riedlinger and Mr. Bob Thomas, Region V Nuclear Regulatory Commission.
- d. Title 10 Code of Federal Regulations, Part 20.105.

2. This amendment is for the temporary removal of two sections of hurricane fence as shown on the attached diagram (encl 1). This removal is necessary to allow access to the area by machinery during the construction of a building addition. The sections are comprised of a 13 foot length and a 40 foot length forming the "L" shaped portion of the perimeter outside the southwest wall of building 12508, where the radioactive sources are stored and used. We will erect a temporary 40 foot chain-link fence as shown on the diagram, and it will remain for the duration of the construction, expected to take approximately 1 year. The temporary fence will contain a "Caution Radiation Area" sign similar to the one presently mounted on the existing fence. At the end of the construction phase, we will reinstate the original 8 foot fence at its present location, and remove the temporary fence.

3. We performed a radiation survey, 19 Jun 89 along the outside southwest wall with the J. L. Shepherd Model 138 Irradiator operating in its most radiation-intense mode, i.e., both Cobalt and Cesium sources exposed in a 30 degree beam width. The maximum radiator level at the point of temporary fence construction is 0.6 milliroentgens per hour (encl 2). We very rarely operate the Model 138 in this configuration. We have it calibrated once a year in the 30 degree beam mode, and we rarely require it to support a test program in this mode. We expect that the maximum usage in this mode would not exceed 20 hours in the next 12 month period; thus resulting in a maximum exposure of 12 millirems. This is much less than the maximum allowable in 10CFR 20.105.

JUN 27 9:45

RECEIVED
NRC
REGION V

8910250247 890717
REG 5 LIC 70
SNM-1448 PDR

FEE EXEMPT

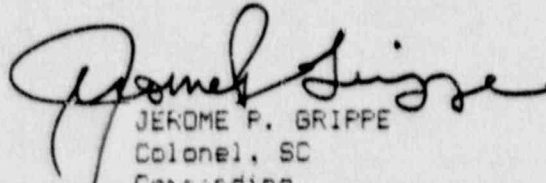
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STEEP-CT-J

SUBJECT: Amendment to Nuclear Regulatory License Numbers SN: 1448 and BML
02-09090-02

4. If you require further information, please contact the Radiological
Protection Officer (RPO), Mr. George Broxton, at (602) 538-6157 or the
alternate RPO, Mr. Virgil Thomas at (602) 538-6935.

2 Encls


JEROME P. GRIPPE
Colonel, SC
Commanding

Incl 2

ANNEX 1

ANNEX 2

100'

360'

16'

100'

PARKING AREA

PERSONNEL GATE LOCKED

GUARD HOUSE

NORMAL ACCESS GATE

GATE LOCKED

PERSONNEL DOOR TO BLDG

PROPOSED ADDITION

COMPOUND AREA \approx 3.3 ACRES
SURROUNDED BY 8' HURRICANE
TYPE FENCE TOPPED WITH
3 STRANDS BARBED WIRE

EMI TEST FACILITY

BLDG 12508

Section to be Temporarily Removed

Section to be Temporarily Removed

CRA = CAUTION RADIATION AREA
(8' HURRICANE FENCE)

CRA

13 ft

CRA

CRA

CRA

GATE LOCKED

GATE LOCKED

Proposed Temporary fence Location During Construction

CRA

CRA

CRA

CRA

CRA

CRA

410'

SHIELD WALL

