



United States Department of the Interior

BUREAU OF RECLAMATION
LOWER COLORADO REGIONAL OFFICE
P.O. BOX 427
BOULDER CITY, NEVADA 89005

IN REPLY
REFER TO: LC-470
453.

MAY 3 1985

Your reference:
Docket No.: 030-11437
License No.: 27-16664-01
Control No.: 18560

Ms. Beth A. Riedlinger
Health Physicist (Licensing)
Nuclear Materials Safety Section
Region V
Nuclear Regulatory Commission
1450 Maria Lane, Suite 210
Walnut Creek, California 94596

Dear Ms. Riedlinger:

This is in response to your letter of April 24, 1985. The information you requested in item 1 of your letter is correct. We are requesting authorization to use model MM4A moisture gages that are being manufactured by the Sunburst Energy Systems, Inc. The model MM4A has been especially designed for our use and is shielded better than the model MM4. However, we have been informed that this model is now before the State of California for review. Therefore, we are withdrawing our request for authorization to use the model MM4A until the State of California has approved its use. At that time we will resubmit our request along with the information you requested in items 2 through 4.

With regard to item 5, we are initiating an irrigation scheduling program in Harquahala Valley, Arizona, and request that this location be added to License Condition 10. We fully understand that the licensed materials are to be used by or under the supervision of one of our authorized employees who meets the requirements stated in License Condition 12. Our employees, who will be authorized to use the Campbell Pacific Nuclear (CPN) moisture gages, model 503, are:

Val H. Carter, Chief, Irrigation Management Branch, Boulder City, Nevada. Mr. Carter has been trained in the safe use of neutron moisture gages by CPN personnel and has taken a formal radiation safety course given by the Oklahoma State University. He has been using the gages for almost 5 years.

Terry Taylor, Chief, Irrigation Management Branch, Yuma, Arizona. Mr. Taylor has been involved in irrigation scheduling using moisture gages for 10 years. He has been trained in the safe use of the gages by CPN representatives and has taken several refresher courses. Most recently he took a formal radiation safety training course that was given by the Oklahoma State University Engineering Technology Extension in Oklahoma City.

8507190222 850513
REG5 LIC30
27-16664-01 PDR

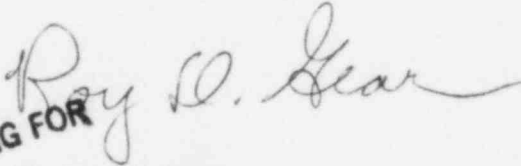
Leon Martin, Soil Conservation Technician, Yuma, Arizona.

Mr. Martin has also been trained in the safe use of radiation materials by CPN and has worked closely with our Radiation Safety Officer for the past 5 years. During this time he has used the neutron moisture gages for scheduling irrigations and has had several refresher training courses given by our Radiation Safety Officer.

We hope that the above information is sufficient to allow you to amend our license to include Harquahala Valley, Arizona, as one of the authorized locations for storing our neutron moisture gages.

If you have any questions, please contact Mr. Carter at (FTS) 598-7562 or Mr. Stanley Conway at (FTS) 764-6653.

Sincerely yours,


ACTING FOR
N. W. Plummer
Regional Director