



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

770.

APR 17 1985

Ms. Beth Riedlinger
Region V
Nuclear Regulatory Commission
1450 Maria Lane, Suite 210
Walnut Creek, California 94596

Dear Ms. Riedlinger:

As per your instructions in a recent telephone call with Mr. Val Carter of this office, this letter is a supplement to our letter of January 10, 1985, to Ms. Cardelia Harvey. It provides the additional information you need to amend our Materials License No. 27-166640-1. The amendment would allow us to use soil moisture gages that are manufactured by the Sunburst Energy Systems, Incorporated. The gage is called "MM4A Soil Moisture Gage." Each gage has two sealed sources of "Cobalt 60" of 1 millicurie per source.

We would also like to take this opportunity to request that condition 10 of our license be amended to include Harquahala Valley, Arizona, as one of the facilities where the licensed materials may be used and stored.

Harquahala Valley, Arizona, is located approximately 80 miles west of Phoenix, Arizona, on Interstate Highway 10. The soil moisture gages will be used in the Harquahala Valley Irrigation District (HVID) to monitor the depletion of soil moisture in the soil profile.

The neutron moisture gages will be stored in HVID's headquarters building and will be accessible only to those who are authorized to use the gages. The building is constructed of cement block and consists of offices and a storage area. The gages will be stored in the storage area at least 20 feet from the nearest occupied office. A map showing the general location of the Harquahala Valley and a floor plan of HVID's headquarters building are enclosed.

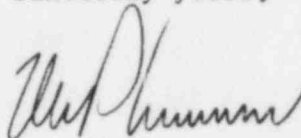
HVID is applying for a Radioactive Materials License from the Arizona Radiation Regulatory Agency. However, until the license is issued, and district personnel have been trained on the safe operation of the gages, the use of the gages will be under the supervision of Bureau of Reclamation personnel that have been trained and authorized to use them.

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REG5 LIC30
27-16664-01 PDR

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If you have any questions, please contact Mr. Val Carter at (FTS) 598-7562.

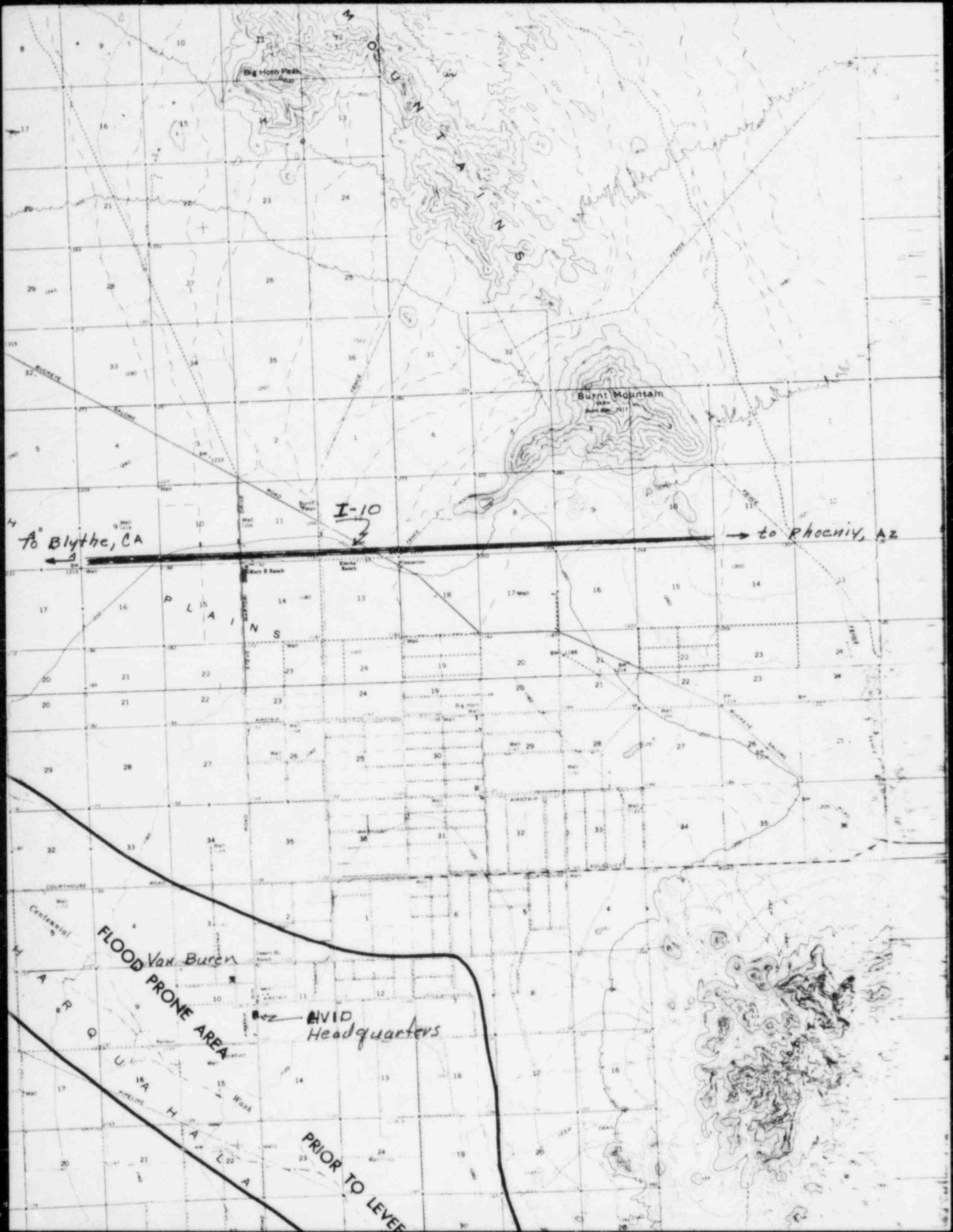
Sincerely yours,

A handwritten signature in dark ink, appearing to read "N. W. Plummer". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

N. W. Plummer
Regional Director

Enclosure





To Blythe, CA

I-10

to Phoenix, AZ

PLAINS

FLOOD PRONE AREA

AVIATION Headquarters

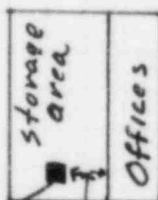
PRIOR TO LEVEE

COMPUTATION SHEET

BY	DATE	PROJECT	SHEET ____ OF ____
CHKD BY	DATE 4/15/85	FEATURE Harguahala Valley Irrigation District	
DETAILS Location of storage facilities for Neutron Moisture Gages.			

Neutron
moisture
gages will
be stored
in metal
Cabinete

Van Buren



AIR ROAD

Distance
20'

April 9, 1985

TELEPHONE OR VERBAL CONVERSATION RECORD

TIME

☐ A.M.
☐ P.M.

☒ INCOMING CALL (returned call)

☐ OUTGOING CALL

☐ VISIT

PERSON CALLING

Mr. Val Carter

OFFICE/ADDRESS

Dept. of Interior, Boulder City, Nevada

PHONE NUMBER

EXTENSION

FTS 598-7562

PERSON CALLED

OFFICE/ADDRESS

PHONE NUMBER

EXTENSION

CONVERSATION

SUBJECT

Ltr. dated January 10, 1985

MS 15

SUMMARY

I explained that the source model number and the gauge model number were not as stated in ~~the~~ the letter dated January 10, 1985.

The State of California will forward the sealed source + device sheet to me.

They should send a letter describing the appropriate changes. Mr. Carter stated that they would do so.

-B.A. Riedlinger

REFERRED TO:

ACTION REQUESTED

ACTION TAKEN

☐ ADVISE ME OF ACTION TAKEN.

INITIALS

DATE

INITIALS

DATE