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NRC

FIELD SERVICES

PO BOX 56, HANAPEPE

KAUAI, HAWAII, 96716

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REGION V&F

5 July 1985

Updated and amended information in reference to MATERIAL
LICENSE 53-19305-01. NRC FORM 313 (1-84) Mail Control
Number 70192

Item 1. Renewal of LICENSE 53-19305-01

Item 2. Arnold WF. Leong dba
FIELD SERVICES
P.O. Box 56
Hanapepe, Hawaii, 96716

Item 5. no change

Item 6. no change

Item 7. no change

Item 8. no change

Item 9. Normal storage of moisture density gauge is with gauge in locked safe position, in the transport carrier case which is stored in a 4'x4'x4' concrete bunker under double padlock. The concrete bunker is located in a workshop/storage room which is physically separated from any living quarters.

The moisture density gauge may at times be stored at the jobsite and will be stored in the safe locked position in the transport case, in a 4'x4'x4' double locked wooden crate in a secured storage room.

The moisture density gauge will not be left unsecured or unattended in the field. When the moisture density gauge is in the transport vehicle, the vehicle will be locked when unattended.

Item 10. Unauthorized personnel will not be allowed in the close vicinity of the moisture density gauge. Authorized personnel will wear filmbadges when in the proximity of the moisture density gauge. Filmbadge is

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supplied from RS Landauer Jr. Co., and exchanged monthly.

Radiation survey meter is available for use from the Kauai County Civil Defense Agency. The meters are

CDV

model 6B

Manf. Victoreen Instrument Company

inspected annually

calibrated every 30 months

Leak testing is performed by licensee every six months utilizing wipes provided and evaluated by

Troxler Electronic Laboratories, Inc.

P.O. Box 12057

Research Triangle Park, North Carolina
27709

kit model 3880

Any maintenance performed on the moisture density gauge will be with the 'lowest allowable level' concept. The gauge will be positioned so that any radiation will be away from any personnel. Any cleaning of the source rod will be performed with long handled brushes and/or swabs, with the moisture density gauge placed on its side and the source rod extended from the gauge away from the operator. In the event the source rod or protective shielding has to be removed from the moisture density gauge, the source rod will be immediately, after removal from the gauge, placed in a shield, constructed of steel tubing wrapped with 10 plies of 1/8 inch lead sheeting. This shield has only one opening. The opposite end is crimped and folded over. There is no measurable activity when the source rod is in this shield. Procedure for removal of source rod is as follows:

Gauge will be placed on its side on a bench with the base facing away from the operator. The source rod shield will be placed parallel to the source rod with the opening of the source rod shield facing the source rod handle and the crimped end of the shield away from the operator. The source rod shield opening should be adjacent to the rear of the moisture density gauge and about even with the top of the instrument casing, to facilitate minimal handling of the source rod. Lower the source rod handle from the safe position to midway between backscatter and safe. Remove the roll pin from indexing rod and unscrew index rod cap. Remove source rod by pulling outwards and place source rod into shield. Place the shielded source rod away from operator with shield opening facing away from

the operator and any personnel in the close vicinity. Reverse procedure for reinstallation of source rod into moisture density gauge.

The survey meter listed previously will be utilized whenever maintenance involving the removal of the source rod or shielding occurs.

Other than Troxler Electronic Labs, Inc., the user will be the only one authorized to perform maintenance on the moisture density gauge.

Operating and emergency procedures are as follows:

All authorized personnel in the immediate vicinity will be required to possess and wear personal monitoring devices.

The moisture density gauge will be operated only by properly trained and certified operators.

Storage of the moisture density gauge is as described in item 9.

Transportation of the moisture density gauge to and from jobsites will be in the locked trunk of an automobile or in the bed of a pick up truck with a locked tailgate/camper shell. Vehicle will be locked when unattended.

Only the licensee will perform leak testing other than the manufacturer.

In case of emergency such as loss or damage to sealed sources, The following steps will be taken; if loss occurs, the licensee will be notified. A current listing of location and means of communication will be provided operators of the moisture density gauge.

The Kauai Police Department will be notified by telephone for loss investigation/recovery.

NRC, Walnut Creek, California will be notified via telephone of the loss and kept up to date on the disposition of the moisture density gauge.

If damage occurs to the sealed source, immediately clear the area and call the Kauai Police Department by telephone or fastest means for area security. Ask Police Department to notify the Kauai Civil Defense and request survey and area monitoring.

Immediately notify licensee. A current list of locations and communication means will be

provided operators of the moisture density gauge.

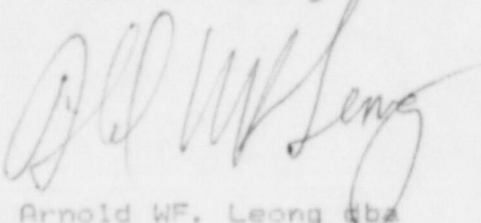
Notify the State of Hawaii, Department of Health, Noise and Radiation Branch (Honolulu).

By telephone or telegram, notify NRC, Walnut Creek, California. Be prepared to give pertinent information requested eg. measurable contamination, condition of gauge/source.

By telephone, notify Troxler Electronic Laboratories, Inc.; Sacramento, California or Research Triangle Park, North Carolina.

Item 11. Sealed source/moisture density gauge will be returned to Troxler Electronic Laboratories for disposal for whatever reasons.

Arnold WF. Leong

A handwritten signature in dark ink, appearing to read 'Arnold WF. Leong', written over a horizontal line.

Arnold WF. Leong aka
Field Services