FIELD SERVICES

PO BOX 56, HANAPEPE
KAUAI, HAWAII, 96716
PHONE 335 3304 mobile 302

U.S. Nuclear Regulatory Commission, Region V
Material Radiation Protection Section
1450 Maria Lane, Suite 210
Walnut Creek, California, 94596

Sirs:

I am requesting renewal of of License 53-19305-01. Name and address of applicant is

Arnold WF. Leong
dba Field Services
3744 Akea Road
P.O. Box 56, Hanapepe
Kauai, Hawaii, 96716.

Address where licensed material will be stored is

3744 Akea Road
Hanapepe, Kauai
Hawaii, 96716.

Licensed material will be used at temporary jobsites in states subject to NRC regulatory authority.

Information submitted in application dated 14 Feb 1980 and ammendment dated 14 Apr 1980 are still valid and current with the exception of item 14a in document submitted14 Apr 1980. Item 14a is changed to read "The device may also be transported on the locked rear cargo deck of a GMC/Blazer van" in addition to the other modes of transport.

Thank you,

Arnold WF. Leong
1 808 3353304

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Received 4/14/80

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Mr. James A. Jones

The additional information requested on letter dated 3 April 1980 is as follows by item number;

12. The exchange frequency as arranged with the R.S. Landauer Jr. and Company is on a monthly basis.

14a. The device will be transported in the cargobed of a pick up truck. The device in its transport case will be fastened to the bed of the truck by a secured bracket and locked strap, or the device in remote instances, will also be transported in the locked trunk of a fullsized passenger automobile.

14b. In the event the device is to be stored temporarily at a jobsite, the device will be stored in a secured storage room under seperate lock and key, away from and secured from other stored items, by means of a wooden 4' x 4' x 4' crate.

14d. Procedures to be followed in the event of loss or damage to gauge is as follows;

user and/or representative will notify the following agencies
*Kauai Police Department 245 6721
(for security)
*Kauai Civil Defense Agency 245 4001
(for monitoring)
*State of Hawaii, Dept. of Health
Noise and Radiation Branch 548 3075
*N R C Mlanutcreek, California 415 943 3700
*Troxler Elec Labs Sacramento 916 332 7734

14e. It is also requested that authority be granted to perform periodic maintenance on the instrument. Access to the sheilding and shutter device is needed in order that the device may be cleaned and lubricated. Access to within the instrument itself may be required for repairs to the electronic components.

Procedure:

Gauge will be placed on its side on a bench away from the operator and any other persons. Source rod will be latched in the "SAFE" position. Remove the bottom plate assembly by removing 4 screws and pry out the assembly. Remove sliding sheild and spring by prying out. (Radiation dose at entrance to cavity flush with base is 300 mrem/hr. Max. dose is 4 hrs./week. Approx. exposure time to facilitate cleaning 5 minutes.) Clean cavity with stiff brush, clean rag and compressed air as well as sliding sheild and bottome plate assembly. Check for wear and replace if necessary. Insure that scraper ring is free to move in its groove. Lubricate with Molycote 321 before reassembly. Clean source and index rod and lubricate. Do same with visible portions of trigger and indexer. If trigger and indexer have soil imbedded in them, lower handle to backscatter position and remove roll pin in the index rod. Remove

the index rod cap by unscrewing. Depress trigger and lift handle clear of the index rod.(note position of indexer pin and trigger for correct reassembly) Release trigger and slide indexer forward and sideward out of handle. Clean all moving parts and handle cavity, chech for wear, lube and reassemble. To reassemble index rod cap, latch handle in safe position and screw the cap down until the neoprene bumper exerts a light pressure on the handle. lower the handle, look into poll pin hole and line up hole in index rod and cap by unscrewing the cap, if necessary. Proper alignment is necessary for roll pin installation. If the cap is too tightly screwed, pressure against the bumper will prevent the indexer from latching in the safe position. In the event the source rod must be removed to facilitate repairs, the Troxler Source Rod Pig will be utilized to provide sheilding. The procedure for reming the source rod is to lower the handle to the backscatter position. Remove roll pin and index rod cap by unscrewing. Lift the source rod entirely out of the gauge sheild and store in Troxler Source Rod Pig. Keep the tip away from the body and do not touch the tip of the rod. Dose rate at the handle is epprox 15 mrem/hr. Reverse this procedure to reassemble source rod into gauge.

The user will be the only one permitted to perform any maintenance or cleaning of the gauge other than Troxler Elec. Labs. The user of the gauge has received training from Troxler Elec. Labs. in the in the above procedure of disassembling and reassembling 3400 series gauges from Mr. Daniel Howe of Troxler Elec Labs, Sacramento, Ca. The user is Arnold WF. Leong , solely listed applicant. The user will also perform the 6 month leak test utilizing the Troxler 3380 Leak Test Kit, performed in the following manner. Using a ball point pen, write the gauge type, serial number and source serial numbers around the edge of the filter paper. Remove the electronic module by unscrewing the 4 thumbscrews and lifting the module out. Disconnect the cable and remove the front module. Using tongs, wipe the magenta and yellow label located forward of the printed circuit board assembly with the filter paper that has been wetted with the supplied solvent. Do not touch the filter paper, after wiping the source, with any part of the hands or body. Lay the gauge on its side with the base away from the operator and position the handle into the 4 inch position. Using the tongs and dowel, wipe the weld area above the source rod tip with the filter paper. Retract the rod and place the gauge upright. Place the filter paper on a flat position and allow it to air dry. Then place the filter paper in the plastic bag provided and seal. Do not touch filter paper with any part of your body or hands. Complete required information and enclose in the preaddressed envelope and mail.