

The Ohmart Corporation

4241 ALLENDORF DRIVE

P.O. BOX 0025

CINCINNATI, OHIO 45209

March 12, 1965

Mr. William O. Miller
Isotopes Branch
Division of Materials Licensing
U. S. Atomic Energy Commission
Washington, D.C. 20545

Ref: License No. GL-34-639-2 Renew and Amend

Dear Mr. Miller:

Please consider this letter as a request to renew License No. GL-34-639-2. In addition, we desire to have this License amended to: 1) permit use of several manufacturers' sealed sources; 2) permit leak testing of the devices at three year intervals in accordance with 10CFR 30.24 (f) (4).

Table I, attached, lists the Ohmart model numbers of the various sealed sources which will be used, the corresponding model numbers of the various manufacturers, and the maximum millicurie content of the sources installed in gaging devices which will be distributed to General Licensees. Ohmart drawings of the various sources are attached. Detailed drawings of the various sources have been sent to you by the several sealed source manufacturers. Licensing by Ohmart Model number rather than the manufacturer's model number will permit greater flexibility in our operation.

For the sources listed on Table I, the several manufacturers have supplied you with the details necessary to comply with 10CFR 30.24 (f)(4) (i), (iii), (iv), (v), (vi), (vii), and (ix). Prototypes of these sealed sources were tested by the various manufacturers and were found to meet the stated specifications. These sealed sources will not, in normal use, be exposed to temperatures higher than the temperature specified in the prototype testing.

In addition to the testing performed by the manufacturer of the sealed source, the Ohmart Corporation wibe tests each sealed source prior to installation in a gaging device. The additional tests assure us that no leaking or contaminated sources are installed in gaging devices.



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In order to comply with 10CFR 30.24 (f) (4)(ii) the following drawings are attached: A-1270, A-2102, A-5776, A-2639, A-5937, B-1681, B-1934, B-1985, B-2366, B-5001, B-5745, C-1693, C-5747, D-2378, and D-5742. The drawings show all of the latest revisions, so you may wish to obsolete the drawings you now have in your files. Also attached is sales literature showing photographs of the various gages.

The health and safety record of these gaging devices has been extremely good - both in normal industrial environments and in catastrophic situations. Since 1959, the Ohmart Corporation has distributed hundreds of these devices to General Licensees. The periodic leakage testing has not revealed one case of radioactive material contamination on the external surface of the gaging device.

Since 1953, the Ohmart Corporation has distributed additional hundreds of gaging devices to Specific Licensees similar to those distributed to General Licensees. Some of these devices were tested at three year intervals, rather than 6 month intervals, in accordance with the terms of the Specific License. Not one of these gaging devices showed any evidence of radioactive material contamination on the external surface.

In addition to normal industrial environments, Ohmart gages have been subjected to industrial fires and explosions. Even in these catastrophic situations, there was no evidence of radioactive material contamination on the external surface of the device.

This history is remarkable when you consider that the earlier sources were sealed with silver solder. Due to advances in technology and technique, all presently manufactured sources are sealed by welding.

There has been some minor difficulty with malfunctioning OFF-ON mechanisms. However, these malfunctions presented no health or safety hazard because the user reported the malfunction and the device was repaired or replaced by Ohmart Corporation personnel or other personnel Specifically Licensed to handle the gaging device.

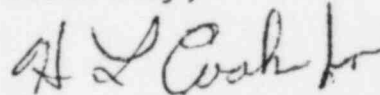
Figures 1 and 2 are reproductions of the labels which are currently attached to these devices. Figures 3 and 4 show the proposed revisions to the labels in order to comply with the new regulations.

In addition to the above, we request that all gages now in operation, covered by GL-34-639-2, be changed to the three year wipe test interval. Since our experience with these gages, as detailed above, has shown that there is no evidence of radioactive material contamination on the external surface of the gaging devices, there will be no health or safety hazard. The revised labels, shown in Figures 3 and 4, will be installed by Ohmart personnel or by AEC licensed Ohmart Sales Representatives.

Since our labels must be re-done, we would not mind changing the License Number, as suggested by your office several years ago.

Thank you for your consideration and cooperation in making the amendments and renewal requested.

Sincerely,

A handwritten signature in dark ink, appearing to read "H. L. Cook, Jr.", written in a cursive style.

H. L. Cook, Jr.

HLC/als

Enclosures: 19

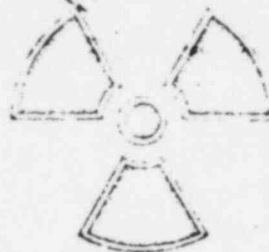
CC: E. B. Miller

TABLE I

Sealed Sources Used with Ohmart Gages Distributed to General Licensees under Provisions of License No. GL 34-639-2.

Ohmart No.	Used In Ohmart Model	Max Mc of Cs-137	3M Co. Model	U. S. Radium Model	U. S. Nuclear Type
A-2102	ASR Series	1000	4F6S	LAB-713WC	3280
A-2102	PG Series	300	"	"	"
A-2102	LR Series	1000	"	"	"
A-2102	LSDG Series	1000	"	"	"
A-2102	SDG Series	1000	"	"	"
A-2102	SDG Series	1000	"	"	"
A-5776	RTSN-3	0.5	4D6D	LAB-454-W	3282
A-5776	RTSN-4	0.5	"	"	"

CAUTION



RADIOACTIVE MATERIAL

MODEL

MTR

DATE

MC

THIS DEVICE, GENERALLY LICENSED PURSUANT TO SECTION 30.21 (C) OF 10 CFR 30, HAS BEEN MANUFACTURED AND DISTRIBUTED PURSUANT TO AEC LICENSE NO. GL 34-639-2 BY THE OHMART CORPORATION.

THIS DEVICE SHALL NOT BE TRANSFERRED, ABANDONED OR DISPOSED OF EXCEPT BY TRANSFER TO A PERSON SPECIFICALLY LICENSED BY THE COMMISSION TO RECEIVE SUCH DEVICE.

OPERATION OF THIS DEVICE SHALL BE IMMEDIATELY SUSPENDED, UNTIL ANY NECESSARY REPAIRS HAVE BEEN MADE, IF THERE IS ANY INDICATION OF A POSSIBLE FAILURE OF OR DAMAGE TO THE SHIELDING OR CONTAINMENT OF THE RADIOACTIVE MATERIAL.

NO INSTALLATION, DISMANTLING, RELOCATION, MAINTENANCE, OR TESTS OF THIS GAGE MAY BE PERFORMED BY ANY PERSON UNLESS SUCH PERSON IS SPECIFICALLY LICENSED BY THE ATOMIC ENERGY COMMISSION TO PERFORM SUCH SERVICE.

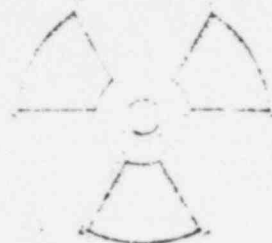
THIS DEVICE SHALL BE TESTED FOR LEAKAGE OF RADIOACTIVE MATERIAL AT NO LONGER THAN 6 MONTHS INTERVALS.

REMOVAL OF THIS LABEL IS PROHIBITED BY REGULATIONS OF THE ATOMIC ENERGY COMMISSION.

THE OHMART CORPORATION, CINCINNATI, OHIO, U.S.A.

66645

CAUTION



RADIOACTIVE MATERIAL

MODEL MTR
DATE MC

THIS DEVICE, GENERALLY LICENSED PURSUANT TO SECTION 30.21 (C) OF 10 CFR 30, HAS BEEN MANUFACTURED AND DISTRIBUTED PURSUANT TO AEC LICENSE NO. GL 34-639-2 BY THE OHMART CORPORATION.

THIS DEVICE SHALL NOT BE TRANSFERRED, ABANDONED OR DISPOSED OF EXCEPT BY TRANSFER TO A PERSON SPECIFICALLY LICENSED BY THE COMMISSION TO RECEIVE SUCH DEVICE.

OPERATION OF THIS DEVICE SHALL BE IMMEDIATELY SUSPENDED, UNTIL ANY NECESSARY REPAIRS HAVE BEEN MADE, IF THERE IS ANY INDICATION OF A POSSIBLE FAILURE OF OR DAMAGE TO THE SHIELDING OR CONTAINMENT OF THE RADIOACTIVE MATERIAL OR THE OFF-ON MECHANISM OR INDICATOR.

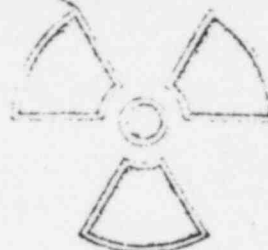
NO INSTALLATION, DISMANTLING, RELOCATION, MAINTENANCE, OR TESTS OF THIS GAGE MAY BE PERFORMED BY ANY PERSON UNLESS SUCH PERSON IS SPECIFICALLY LICENSED BY THE ATOMIC ENERGY COMMISSION TO PERFORM SUCH SERVICE, EXCEPT THAT THE COVER OF THE MEASURING CELL HOUSING MAY BE REMOVED TO PERFORM MAINTENANCE PROVIDED THAT THE OFF-ON MECHANISM AND INDICATOR ARE LOCKED IN THE OFF POSITION.

THIS GAGE SHALL BE TESTED FOR LEAKAGE OF RADIOACTIVE MATERIAL AND FOR PROPER FUNCTIONING OF THE OFF-ON MECHANISM AND INDICATOR AT NO LONGER THAN 6 MONTHS INTERVALS.

REMOVAL OF THIS LABEL IS PROHIBITED BY REGULATIONS OF THE ATOMIC ENERGY COMMISSION.

THE OHMART CORPORATION, CINCINNATI, OHIO, U.S.A.

CAUTION



RADIOACTIVE MATERIAL

MODEL MTR
DATE MC

THIS DEVICE, GENERALLY LICENSED PURSUANT TO SECTION ^{31.5}~~30.24~~ (C) OF 10 CFR 30, HAS BEEN MANUFACTURED AND DISTRIBUTED PURSUANT TO AEC LICENSE NO. GL 34-639-2 BY THE OHMART CORPORATION.

THIS DEVICE SHALL NOT BE TRANSFERRED, ABANDONED OR DISPOSED OF EXCEPT BY TRANSFER TO A PERSON SPECIFICALLY LICENSED BY THE COMMISSION TO RECEIVE SUCH DEVICE.

OPERATION OF THIS DEVICE SHALL BE IMMEDIATELY SUSPENDED, UNTIL ANY NECESSARY REPAIRS HAVE BEEN MADE, IF THERE IS ANY INDICATION OF A POSSIBLE FAILURE OF OR DAMAGE TO THE SHIELDING OR CONTAINMENT OF THE RADIOACTIVE MATERIAL.

NO INSTALLATION, DISMANTLING, RELOCATION, MAINTENANCE, OR TESTS OF THIS GAGE MAY BE PERFORMED BY ANY PERSON UNLESS SUCH PERSON IS SPECIFICALLY LICENSED BY THE ATOMIC ENERGY COMMISSION TO PERFORM SUCH SERVICE.

THIS DEVICE SHALL BE TESTED FOR LEAKAGE OF RADIOACTIVE MATERIAL AT ~~NO LONGER THAN 6 MONTHS INTERVALS.~~

REMOVAL OF THIS LABEL IS PROHIBITED BY REGULATIONS OF THE ATOMIC ENERGY COMMISSION.

THE OHMART CORPORATION, CINCINNATI, OHIO, U.S.A.

INSERT NEW PARAGRAPH

Transfer, failure, damage or evidence of radioactive material leakage shall be reported to the Regional Compliance Office of the AEC within 30 days in accordance with Section 31.5 of 10CFR30.

The time of installation, or replacement of the radioactive material, and thereafter at no longer than 3 year intervals. Records of tests shall be maintained in accordance with Section 31.5 of 10CFR30.