



19 November 1991

Mr. Ben Kapel
Radioactive Materials
Licensing Section
Department of Health Services
714/744 P. Street
P.O. Box 942732
Sacramento, CA 94234-7320

Subject: Request to Modify Sealed Source and Device Registry Sheets
(CA 501D101G)

Dear Ben:

Measurex requests that the Sealed Source and Device Registry Sheets cited in Condition 24 of License No. 1663, Amendment 65, and Condition 16 of License No. 1856, Amendment 47 be amended. In addition to sensors currently described in the Registry Sheets, we request approval for the distribution of Model No. 2201 sensors that are mounted in a new head model. We also request changes to the information on sensor head dimensions, materials of construction, and labeling presently contained in the Registry Sheets.

The amended table of sensors, heads, and dimensions should read:

<u>Model No.</u>	<u>Head Designation</u>	<u>Min. Outer Dimensions</u>
1201	1033 (Head II)	12" x 12" x 12"
1201	2033 (Head III)	20" x 14" x 12"
1202	1036	8" x 6" x 9"
1203	1203 (C-frame)	14" x 4" x 6"
2201	2033 (Head III)	20" x 14" x 12"
2201	2034 (Modular)	8" X 8" x 8"
2201	2050 (Intellipack)	21" x 15" x 12"
2202	2202 (Decade)	8" x 8" x 6"
2204	2034 (Modular)	8" x 8" x 8"

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For sensor heads, primary materials of construction should be listed as aluminum, plastic, and stainless steel.

The gauge source head label to be used on the 2050 head will be slightly different from what is described in the current Registry Sheets. The present heads have a label with the text given on Pages 4 and 5 of the Registry Sheets. If the sensor is a wide gap version, an additional label (shown in Figure 5 of the current Registry Sheets) is applied.

Sensors in 2050 heads will have a single radiation warning label, regardless of gap size. A sample 2050 head label is shown in Attachment 1. In addition to required source and device identification information, this label will have the following text:

In the U.S., the receipt, possession, use, and transfer of this device are subject to requirements described on this label, the requirements of the General or Specific License, and the regulations of the U.S. NRC or applicable Agreement State.

It is required that the sealed radioactive source in this device be tested for leakage at installation and every six months thereafter, except that Kr-85 sources need not be tested. It is also required that this device be tested for proper operation of the on-off mechanisms and indicators at six-month intervals. The tests described in this paragraph must be performed by an individual authorized by a Specific License.

Except for those service operations that are specifically described in the Measurex Customer Radiation Safety Manual, installation, replacement, transfer, disposal, testing, repair, and maintenance operations that involve the source or detector sensor head, on-off mechanisms or indicators, safety interlocks, and the radioactive source and its holder must be performed by an individual authorized by a Specific License.

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All features of the sensor contained in the new gauge head model relevant to radiation safety remain as described in the current Registry Sheets, except for the details given in this letter.

If further information is required, please contact me. I can be reached at (408) 725-3127.

Sincerely,
MEASUREX CORPORATION

Elsa Nimmo

Elsa Nimmo
Radiation Safety Officer

CC: John Goss - 122-1
Jerry Raffel - 301
Bruce Taylor - 107-2
Radiation Safety Committee

Attachment: Sample label