

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF SEALED SOURCE

NO. : TX-0333-S-135-S

DATE: 06/07/89

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SEALED SOURCE TYPE: Check/Calibration Source

MODEL: RA-10, RA-10S, RA-20, RA-20S

MANUFACTURER/DISTRIBUTOR: Gulf Nuclear, Inc.
Webster, Texas

ISOTOPE:

Radium-226

MAXIMUM ACTIVITY:

10 Microcuries (RA-10, RA-10S)

20 Microcuries (RA-20, RA-20S)

LEAK TEST FREQUENCY: 6 Months

PRINCIPAL USE: (F) Well Logging

CUSTOM DEVICE: _____ YES _____ X _____ NO

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SEALED SOURCESMANUFACTURER & DISTRIBUTOR

Gulf Nuclear, Inc.
Webster, Texas

MODELS

RA-10, RA-10S
RA-20, RA-20S

ISOTOPE

Radium 226
(Model RA-10 and RA-10S-Up to 10 μ Ci)
(Model RA-20 and RA-20S-Up to 20 μ Ci)

USE

Well logging tool
Calibration sources

DESCRIPTION

Both of these sources are used in conjunction with well logging tools to calibrate the detectors used in well logging tools. The Model RA-20 source holder consists of an aluminum cylinder about 4 inches long with a small hole drilled halfway down its axis. The source of radium silver foil is inserted in the hole, held in place with a sunken tap screw, and epoxied for closure. The RA-10S has the radium source in a W-1 capsule instead of as a foil.

The Model RA-10 is shaped like a collar. The collar has a groove around its outside into which the radium silver foil is placed. A sleeve is then screwed over the collar and heliarc welded shut. The RA-10 is made of aluminum and the RA-10S is made of stainless steel.

The sources have a minimum ANSI classification of C-22212. They are engraved with "Caution Radioactive--Notify Civil Authorities if Found" together with the isotope, activity, model number and serial number.

LICENSING RECOMMENDATION

Sources should be specifically licensed.

EVALUATION

Texas Department of Health

This sheet replaces sheet dated July 1977.

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