

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

NO.: TX333S124U

DATE: July 1977

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SEALED SOURCE TYPE: Well Logging and Calibration Sources

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

MANUFACTURER/DISTRIBUTOR: Gulf Nuclear, Inc.  
202 Medical Center Blvd.  
Webster, TX 77598

MANUFACTURER/DISTRIBUTOR:

ISOTOPE: Radium-226

MAXIMUM ACTIVITY: 20 microcuries

LEAK TEST FREQUENCY:

PRINCIPAL USE: Gamma Gauges

CUSTOM SOURCE: \_\_\_ YES X NO

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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-20A has the radium source in VL-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.

LABELING:

They are engraved with "Caution Radioactive-Notify Civil Authorities if Found" together with the isotope, activity, model number and serial number.

PROTOTYPE TESTING:

The sources have a minimum ANSI classification of C-22212.

ISSUING AGENCY:

Texas State Department of Health