

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

NO.: TX333S108U

DATE: April 1973

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SEALED SOURCE TYPE: Calibration Sources

MODEL: T-228, T-100

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

MANUFACTURER/DISTRIBUTOR:

ISOTOPE: T-228 Th-228
T-100 Th-228

MAXIMUM ACTIVITY: 10 microcuries
100 microcuries

LEAK TEST FREQUENCY:

PRINCIPAL USE: Other

CUSTOM SOURCE: ___ YES X NO

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DESCRIPTION:

The T-228 source consists of 10 microcuries of thorium-228 deposited between two pieces of 1/8 inch thick Plexiglas which are bonded together with Eastman 502 glue. The source is rectangular, with dimensions of 2 inches by 3 inches. It is used to test whether or not radiation detectors are working.

The T-100 source consists of 100 microcuries of thorium-228 deposited in the center of a lucite rod and sealed with epoxy. It is used to calibrate well logging tools primarily. The manufacturer states the USASI classification is C-22212.

LABELING:

The sources are labeled with Caution-Radioactive Material, the model number, and the serial number.

DUALITY ASSURANCE AND CONTROL:

Both sources are tested for leakage prior to transfer. Further tests for leakage by licensees are not required by this Agency.

ISSUING AGENCY:

Texas State Department of Health