

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

NO. : TX333S126U

DATE: February 19, 1982

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SEALED SOURCE TYPE: Well Logging and Density Gauge Source

MODEL: (b)(2)

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

MANUFACTURER/DISTRIBUTOR:

ISOTOPE: Cesium-137
Cobalt-60
Americium-241
Thulium-170

MAXIMUM ACTIVITY: (b)(2)

LEAK TEST FREQUENCY:

PRINCIPAL USE: Gamma Gauges

CUSTOM SOURCE: ___ YES _ X_ NO

B/11

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DESCRIPTION:

The source is doubly encapsulated in stainless steel with both capsules being sealed by heliarc welding. The dimensions of the outer capsules vary in diameter from 0.2 inch to 1 inch and in length from 0.5 inch to 3 inches. The radioisotope is in the form of solid pellets of cobalt-60, of ceramic fired resin pellets containing cesium-137, or of an americium-241 oxide pressed pellet. The inner capsule has a wall thickness of 0.030 inch and the outer capsule has a wall thickness of 0.060 inch.

LABELING:

Each source is engraved with model number, the isotope, and serial number.

PROTOTYPE TESTING:

Prototype tests reveal the source has a USASI classification of C-6516.

Date: February 19, 1982

Reviewed By /s/
Floyd R. Hamiter

Date: February 19, 1982

Concurrence /s/
Joseph G. Klinger

*ANSI Code = 56533 per Floyd Hamiter, Tex
JGK
6/12/89*

ISSUING AGENCY:

Texas State Department of Health