

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: . TX333D123U

DATE: March 1977

PAGE 1 OF 2

DEVICE TYPE: Survey Instrument Calibration Unit

MODEL: IC-50

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

MANUFACTURER/DISTRIBUTOR:

SEALED SOURCE MODEL DESIGNATION: Gulf Nuclear

ISOTOPE: Cesium-137

MAXIMUM ACTIVITY: 200 millicuries

LEAK TEST FREQUENCY:

PRINCIPAL USE: Calibration Sources (Activity greater than 30 mCi)

CUSTOM DEVICE: YES x NO

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PAGE 2 OF 2

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DESCRIPTION:

The device consists of a five-inch lead-filled aluminum cubic-shaped shield with a hand-activated shutter mechanism. The source is contained in the center of the device and the source-retaining plug is welded in place after loading to prevent source removal. The device weighs about 50 pounds. The radiation levels at the surface do not exceed 35 mr/hr with the shutter in the closed position.

LABELING:

The device is labeled with the name of the manufacturer, the model number, isotope, activity date, serial number and conventional radiation symbol and caution.

LIMITATIONS AND/OR OTHER CONSIDERATIONS OF USE:

A qualified person should use the device even though comprehensive instructions are provided with the device. The device should be placed upon a table and used with a calibration chart provided with the device. Since the device emits a beam, the operator may position himself outside the beam when calibrating meters. Each device is pre-calibrated before shipping to the customer. Instructions for source decay are provided with the device. The device should provide calibrations within $\pm 20\%$ when properly used.

ISSUING AGENCY:

Texas Department of Health Resources