

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: TX333D122U

DATE: March 1977

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DEVICE TYPE: Industrial Radiography Exposure Device

MODEL: (b)(2)

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

MANUFACTURER/DISTRIBUTOR:

SEALED SOURCE MODEL DESIGNATION: Gulf Nuclear (b)(2)

ISOTOPE: Iridium-192
Depleted Uranium

MAXIMUM ACTIVITY: (b)(2)
15.4 Kilograms

LEAK TEST FREQUENCY:

PRINCIPAL USE: Industrial Radiography

CUSTOM DEVICE: YES X NO

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DESCRIPTION:

This exposure device is identical to the manufacturer's Model 20V exposure device, but it has additional internal uranium shielding totaling 34 pounds. The overall dimensions are about 6" x 5" 10" and the shape is rectangular. It has a Teleflex drive cable 35 feet in length with a source tube of 14 feet. The total weight is 45 pounds.

LABELING:

The device bears labels with the manufacturer's name, model number, serial number, radiation symbol, isotope, number of curies, date, "CAUTION RADIOACTIVE MATERIAL", and specifies 34 pounds of depleted uranium is contained therein.

EXTERNAL RADIATION LEVELS:

The maximum radiation level six inches from the surface of the device when fully loaded is 35 mr/hr and at three feet is less than 2 mr/hr.

LIMITATIONS AND/OR OTHER CONSIDERATIONS OF USE:

The manufacturer provides an instruction manual and advises that collimators should be used to reduce personnel exposures. The manual also advises that all repairs of the device should be performed by the manufacturer.

ISSUING AGENCY:

Texas Department of Health Resources