

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES
SAFETY EVALUATION OF DEVICE

NO.: TX333D112U

DATE: January 1974

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DEVICE TYPE: Pipeline Radiographic Exposure Device

MODEL: (b)(2)

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

MANUFACTURER/DISTRIBUTOR:

SEALED SOURCE MODEL DESIGNATION: (b)(2)

ISOTOPE: Iridium-192
Depleted Uranium

MAXIMUM ACTIVITY: (b)(2)
Shielding, 12 kilograms

LEAK TEST FREQUENCY:

PRINCIPAL USE: Industrial Radiography

CUSTOM DEVICE: YES X NO

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accordance with the Freedom of Information Act.
Exemptions 2
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DEVICE TYPE: Pipeline Radiographic Exposure Device

DESCRIPTION:

This camera is quite similar to the Gamma Industries Pipeliner Model I Camera and is operated in a similar manner. The device contains a uranium shield and a rotating drum which will rotate the source to and from the shielded position. The source must be installed by the manufacturer and is designated as the NEEL Model

(b)(2)

The camera is operated by placing it on a metal base plate which is chained to a pipe. The exposure is made by unlocking the lock and rotating the "on-off" knob by hand. The radiographer moves away from the pipe during exposure and returns to the camera to rotate the source to the shielded position. The radiographer may receive an exposure of about 0.4 mrem per exposure, depending upon the type of job being performed.

LABELING:

The device bears the manufacturer's name and the model number. A label states that the device contains 26 pounds of uranium and a separate label has "Caution - Radioactive Material" and the conventional radiation symbol.

EXTERNAL RADIATION LEVELS:

The surface dose rate about the camera does not exceed 100 mr/hr when fully loaded and in the shielded configuration.

LIMITATIONS AND/OR OTHER CONSIDERATIONS OF USE:

The manufacturer provides a comprehensive instruction manual for the safe use of the camera.

ISSUING AGENCY:

Texas State Department of Health