

Rec'd IB.  
8/18/86

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

NO: TX333S110S      DATE: August 11, 1986      PAGE 1 OF 2

SEALED SOURCE TYPE:      Radiography Source

MODEL:      (b)(2)

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

MANUFACTURER/DISTRIBUTOR:

ISOTOPE:      Iridium-192

MAXIMUM ACTIVITY:

(b)(2)

LEAK TEST FREQUENCY:      Six Months

PRINCIPAL USE:      Industrial Radiography

CUSTOM SOURCE:       YES       NO

Information in this record was deleted in  
accordance with the Freedom of Information Act.  
Exemptions 2  
FOIA/PA 2010-0120

B/15

REGISTRY OF RADIOACTIVE SEALED SOURCES AND DEVICES  
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NO: TX333S110S      DATE: August 11, 1986      PAGE 2 OF 2

SEALED SOURCE TYPE:      Radiography Source

DESCRIPTION:

This source is designated as a replacement source for Automation Industries Model 520 Iridiatron exposure device. The pigtail has an overall length of 6-7/8 inches and the capsule is doubly encapsulated stainless steel with a minimum wall thickness of .030 inch. The capsule is heliarc welded, visually inspected, vacuum leak tested and wipe tested for contamination. The capsule cap is swaged to the pigtail and pull tested for 150 pounds tension prior to capsule loading. The serial number of the source is engraved on the connector of the pigtail.

The (b)(2) Model has a Gamma Industries type of disconnect, the (b)(2) has Radionics type disconnect, and the (b)(2) has the Automation Industries type of disconnect; otherwise they are identical. The Gulf Nuclear, Inc. Model U110A source changer may be used for source exchange.

PROTOTYPE TESTING:

The manufacturer states the prototype testing indicates the ANSI source classification to be 77C43515.

DATE: 8-7-86

REVIEWED BY: Lloyd R. Smith

DATE: 8/7/86

REVIEWED BY: Joseph C. Klingler

ISSUING AGENCY: TEXAS DEPARTMENT OF HEALTH