

U.S. NUCLEAR REGULATORY COMMISSION
CERTIFICATE OF COMPLIANCE
For Radioactive Materials Packages

1.(a) Certificate Number	1.(b) Revision No.	1.(c) Package Identification No.	1.(d) Pages No.	1.(e) Total No. Pages
9007	2	USA/9007/B()	1	2

2. PREAMBLE

- 2.(a) This certificate is issued to satisfy Sections 173.393a, 173.394, 173.395, and 173.396 of the Department of Transportation Hazardous Materials Regulations (49 CFR 170-189 and 14 CFR 103) and Sections 146-19-10a and 146-19-100 of the Department of Transportation Dangerous Cargoes Regulations (46 CFR 146-149), as amended.
- 2.(b) The packaging and contents described in item 5 below, meets the safety standards set forth in Subpart C of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Materials for Transport and Transportation of Radioactive Material Under Certain Conditions."
- 2.(c) This certificate does not relieve the consignor from compliance with any requirement of the regulations of the U.S. Department of Transportation or other applicable regulatory agencies, including the government of any country through or into which the package will be transported.

3. This certificate is issued on the basis of a safety analysis report of the package design or application—

3.(a) Prepared by (Name and address):

Automation Industries, Inc.
P.O. Box 245
Phoenixville, PA 19460

3.(b) Title and identification of report or application:

Automation Industries, Inc. application dated
July 25, 1973, as supplemented.

3.(c) Docket No. 71-9007

4. CONDITIONS

This certificate is conditional upon the fulfilling of the requirements of Subpart D of 10 CFR 71, as applicable, and the conditions specified in item 5 below.

5. Description of Packaging and Authorized Contents, Model Number, Fissile Class, Other Conditions, and References.

(a) Packaging

(1) Model No.: 520

(2) Description

A uranium shielded radiographic device consisting of an ovated 5" OD x 1/8" thick steel pipe welded to two 10-gage end plates. An opening on each plate gives access to the "S"-shaped titanium tubing which houses the source capsule, source cable assembly, and the end plug. The two end openings are closed with threaded end caps. A lock mechanism is provided at the source cable attachment. Gross weight of the package is approximately 40 pounds.

(3) Drawings

The packaging is constructed in accordance with Automation Industries, Inc. Drawings 200-520-001, Rev. A; 100-520-001/012; 200-520-011; 100-520-014; and 100-520-013.

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5. (b) Contents

(1) Type and form of material

Iridium-192 as a sealed source which meets the requirements of special form as defined in §71.4(o) of 10 CFR Part 71.

(2) Maximum quantity of material per package

120 curies

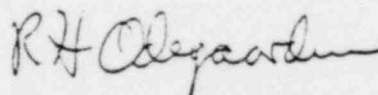
6. The source shall be positioned within the titanium tubing by a source cable assembly which meets the parameters shown in Automation Industries, Inc. Drawing No. SK-500-SU.
7. The nameplate shall be fabricated of materials capable of resisting the fire test of 10 CFR Part 71 and maintaining its legibility.
8. The package authorized by this certificate is hereby approved for use under the general license provisions of Paragraph 71.12(b) of 10 CFR Part 71.
9. Expiration date: August 31, 1980.

REFERENCES

Automation Industries, Inc. application dated July 25, 1973.

Supplements dated: November 28, 1973; and February 18 and April 4, 1975.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION



for Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and
Material Safety

Date: MAY 23 1980