

**CERTIFICATE OF COMPLIANCE  
FOR RADIOACTIVE MATERIALS PACKAGES**

U.S. NUCLEAR REGULATORY COMMISSION

1. a. CERTIFICATE NUMBER	b. REVISION NUMBER	c. PACKAGE IDENTIFICATION NUMBER	d. PAGE NUMBER	e. TOTAL NUMBER PAGES
9007	6	USA/9007/R(U)	1	2

2. PREAMBLE

- This certificate is issued to certify that the packaging and contents described in Item 5 below, meets the applicable safety standards set forth in Title 10, Code of Federal Regulations, Part 71, "Packaging and Transportation of Radioactive Material."
- 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

a. ISSUED TO (Name and Address)

b. TITLE AND IDENTIFICATION OF REPORT OR APPLICATION

Tech/Ops, Inc.  
40 North Avenue  
Burlington, MA 01803

Tech/Ops, Inc. application dated October 7,  
1985, as supplemented.

c. DOCKET NUMBER

71-9007

4. CONDITIONS

This certificate is conditional upon fulfilling the requirements of 10 CFR Part 71, as applicable, and the conditions specified below

5.

(a) Packaging

(1) Model No.: AI 520

(2) Description

A uranium shielded radiographic device consisting of an ovated 5" OD x 1/8" thick steel tube welded to two, 10-gauge 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 Tech/Ops, Inc. Drawing Nos. AI 52090, Sheets 1 through 4 and AI 52091, Sheets 1 and 2; and Automation Industries, Inc. Drawing No. 100-520-014, Rev. A.

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CONDITIONS (continued)

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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 radioactive material.

(2) Maximum quantity of material per package

120 curies

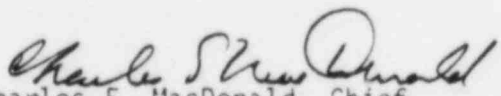
6. The source shall be positioned within the titanium tubing by a source cable assembly which meets the parameters shown in Tech/Ops, Inc. Drawing Nos. 42402-1, Rev. F and 42402-4, Rev. B.
7. The nameplate shall be fabricated of materials capable of resisting the fire test of 10 CFR Part 71 and maintaining its legibility.
8. The package authorized by this certificate is hereby approved for use under the general license provisions of 10 CFR §71.12.
9. Expiration date: December 31, 1990.

REFERENCES

Tech/Ops, Inc. application dated October 7, 1985.

Supplement dated: November 26, 1985.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

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

Date: DEC 16 1985



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

Transportation Certification Branch  
Approval Record  
Model No. AI 520 Package  
Docket No. 71-9007

By application dated October 7, 1985, as supplemented November 26, 1985, Tech/Ops, Inc. requested renewal of Certificate of Compliance No. 9007. This Certificate of Compliance was originally issued on the basis of an application prepared by Automation Industries, Inc. Tech/Ops, Inc. has acquired the gamma radiography equipment business from Automation Industries, Inc. as disclosed in Automation Industries letter of November 16, 1984. Tech/Ops has submitted a consolidated application which incorporates the original application and all pertinent supplement information in support of their request for renewal of the certificate.

Tech/Ops, Inc. has prepared a set of packaging drawings which replace, with exception of the "S" Tube drawings, the previously referenced Automation Industries, Inc. drawings. The consolidated application and packaging drawings were reviewed and a determination made that all pertinent information as given in the original application as supplemented and the packaging drawings has been incorporated into the consolidated application.

Based on the staff's findings as reported in the Safety Evaluation Report dated November 15, 1973, and the consolidated safety analysis report as supplemented, the staff concludes that the requirement for renewal of the certificate of compliance has been satisfied.

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

Date: DEC 16 1985