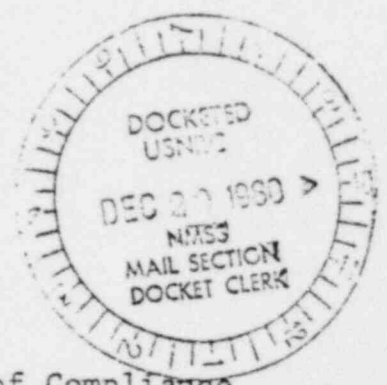


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71-9056

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November 21, 1980



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U.S. Nuclear Regulatory Commission
Charles E. MacDonald, Chief
Transportation Certification Branch
Washington, D. C. 20555

SUBJECT: Application for renewal of Certificate of Compliance
No. 9056

Dear Mr. MacDonald:

Our Certificate of Compliance No. 9056 for the SPEC 2-T exposure device will expire on February 28, 1981. Consequently we are submitting this consolidated application and drawings for renewal of the Certificate. In addition, we have enclosed our check for \$150.00 payable to the U.S.N.R.C. to cover the renewal fee as specified in Section 170.31 of 10 CFC 170.

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Introduction: The SPEC Model 2-T is a radiographic exposure device which has been in service five or more years since its original approval. To our knowledge, there has been no significant incidents during either shipping or radiography.

Packaging: The general description and operational features remain virtually unchanged since the original approval. The exposure device (gamma ray projector) consists primarily of a stainless steel housing and internal steel bracing of all welded construction. The depleted uranium shield incorporates a Zircalloy "S" tube. The source is secured in safe position by a combination of components including a plunger type lock, a locking ball on the pigtail assembly, a lock insert to prevent removal from the rear of the unit in either the locked or unlocked mode, and a shipping plug. The unit resembles a rectangular box approximately 12.5" long, 4.4" wide, and 4.4" high (excluding aluminum handle). Gross weight is approximately 43 pounds.

The SPEC 2-T is constructed in accordance with the Source Production and Equipment Co., Inc. drawings as submitted in the application in 1975 and with the enclosed revised, consolidated drawings.

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Source Production & Equipment Co., Inc.

Contents: The SPEC 2-T will be used for industrial radiography and for the shipping of special form sources for radiography. The device will contain one source only and the maximum activity would be 175 curies nominal of Iridium-192 without the use of an overpak. Since the unit is approved for 200 curies nominal for industrial radiography, a convenience overpak is used for contents exceeding 175 curies.

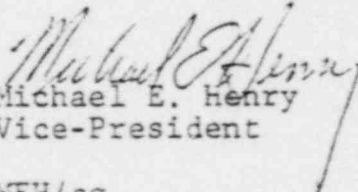
Sources shipped in the SPEC 2-T meet the requirements of special form as defined in 10 CFR Part 71.

Name Plate: The name plate is fabricated of stainless steel to meet the fire test of 10 CFR 71.

Testing: Hypothetical Accident Conditions: An actual 2-T was subjected to free drop, thermal, and puncture tests per 10 CFR 71 and resulted in only very minor deformation with no loss of shielding integrity or effectiveness of locking mechanisms. Test results and photographs were submitted with the original application.

Sincerely,

Source Production & Equipment Co., Inc.


Michael E. Henry
Vice-President

MEH/cg