

149  
S.H.  
PDR

PDR

71-9036

# spec



July 3, 1980

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

RE: 71-9036

SUBJECT: Application for renewal of certificate of compliance  
No. 9036

Dear Mr. Mac Donald:

In accordance with your letter dated May 8, 1980, we are submitting this consolidated application and drawings for renewal of our Certificate of Compliance USA/9036/B.

**Introduction:** The SPEC Model C-1 is a radiographic source changer which has been in service approximately five years since its original approval. To our knowledge, there has been no incidents during either shipping or source exchange.

**Packaging:** The general description and operational features remain virtually unchanged since the original approval. The changer is a uranium shielded device with a rectangular configuration 9" high x 7.5" wide x 7" deep. All fittings and source locking components are protected and enclosed with a 1/8" nominal carbon steel outer shell. The inner receptacle consists of a uranium shield equipped with two closed bottom zircaloy "J" tubes, each of which may house one "pigtail type" special form source. Maximum gross weight is 45 lbs.

The package is constructed in accordance with the Source Production and Equipment Co. drawings as submitted in the application in 1975 and with the enclosed revised, consolidated drawings per your request of March 17, 1980.

THIS DOCUMENT CONTAINS  
POOR QUALITY PAGES



**Source Production & Equipment Co., Inc.**

625 Oxley Street Kenner, La. 70062 Phone 504/721-1428

8007240 014

16780

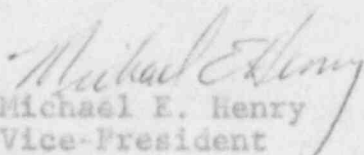
Contents: The C-1 will be used to ship and exchange radiographic sealed sources that meet the requirements of special form as defined in 10 CFR Part 71. The maximum number of sources to be placed in the container is two and the maximum activity would be 250 curies nominal of Iridium 192.

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 C-1 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 nor 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

16780



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

MEMORANDUM FOR: TERA Corp.  
FROM: US NRC/TIDC/Distribution Services Branch  
SUBJECT: Special Document Handling Requirements

1. Please use the following special distribution list for the attached document.

2. The attached document requires the following special considerations:

- Do not send oversize enclosure to the NRC PDR.
- Only one oversize enclosure was received - please return ~~for Regulatory File Storage.~~  
*TO PDR AFTER Filming*
- Proprietary information - send affidavit only to the NRC PDR
- Other: (specify)

cc: DSB Files

A handwritten signature in cursive script, appearing to read "Richard Smith".

TIDC/DSB Authorized Signature