



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

MAY 1 1985

MEMORANDUM FOR: J. Bruce Carrico
Material Licensing Branch, FC

FROM: Steven Baggett, Material Certification
and Procedures Branch, FC

SUBJECT: TENNESSEE VALLEY AUTHORITY 41-08165-12, CONTROL NO. 18511

In December 1971 the Department of Energy (DOE), Savannah River Operation (SRO) submitted an SSD evaluation for a SR-CF-100 series californium-252 source. This design was deemed acceptable for licensing purposes in January 1972. During the next couple transformations of the registration document the source designation SR-CR-100 series was exchanged for the designation SR-CF-2-199. This action occurred about 1975. We could not locate the reasoning behind the change in model designation.


The SR-CF-100 series source was originally approved for industrial applications and well logging uses. The source can hold up to 52 curies or 10 milligrams of californium-252.

The SR-CF-100 series denotes all sources that are manufactured between 002 and 999. Each numerical value is the next source that has been constructed by SRO. This fact was further verified on April 30, 1985 with Mr. Warren Curlee (SRO).

Given the above, we deem it acceptable to license TVA for use of the SR-CF-100 series source, not to exceed 30 millicuries per source, in the rapid sulphur monitor.

TVA has expressed a concern to have their licensing action expedited. Therefore, we will amend the registration documents NR-277-S-104-U and NR-590-D-103-S while the licensing action is taking place. The amended documents will be distributed to all users of the registry system upon completion.

If you have any questions, please contact me at (FTS) 427-9005.


Steven Baggett
Material Certification and
Procedures Branch

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Date 1/7/85 *17/85*

TO: Material Certification & Procedures Branch, 426-SS

SUBJECT: MLB REQUEST FOR MCPB ASSISTANCE

RETURN: MLB, 396-SS

Control No.: 18511 (attached)

License No.: 41-98165-12 (attached)

Letter No.: _____ (attached)

Assistance requested:

_____ Custom review
_____ New source review
_____ New device review
_____ ☒ Other (see remarks)

REMARKS:

For review & enter Catalogue Sheet.

_____ Catalog has been checked. No information is available on the source/device.

_____ We are not aware of any specific license which authorizes possession and use of this device.

_____ Manufacturer is located in Agreement State. MLB has verified that no device review is completed or pending, and that a custom review is required.

_____ Manufacturer is located in non-Agreement State.

_____ Source/device will be imported.

_____ If information provided by applicant is inadequate, assistance is required in the form of a letter/standard paragraphs and guides to request additional information from applicant.

☒ This case is being recorded in the computer as being assigned to 1-5. When it is returned to MLB, it will be reassigned to a MLB reviewer.

_____ Other

J. Bruce Carter
Requestor