

Return to NMSS/SGML
881-95



SGML:DAH
70-1151

MAY 13 1981

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Westinghouse Electric Corporation
 ATTN: Mr. Harold Foster
 Safeguards Coordinator
 Drawer R
 Columbia, South Carolina 29205

Gentlemen:

In your letter dated October 8, 1980, you requested a ruling on your method of propagating the random weighing error for fuel assemblies. As a result of our preliminary evaluation of this request, we have determined that more information is needed in order to satisfactorily evaluate your request. Therefore, we are hereby requesting that you submit the information outlined in the attachment to this letter.

Pending a final evaluation and decision concerning this matter, you may continue to use your present method of propagating random weighing errors for fuel assemblies. Should you have any questions regarding the information being requested, please contact M. Messinger at (301) 427-4024. Your cooperation in submitting this information promptly will be appreciated.

Sincerely,

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Robert A. Erickson, Acting Chief
 Material Control and Accountability
 Licensing Branch

Enclosure:
 As stated

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5/11/81

OFFICE	SGML	SGML	SGML	SGMD	SGMD		
SURNAME	DHuff:jml	RBrightsen	RErickson	MMessinger	TSherr		
DATE	5/11/81	5/11/81	5/13/81	5/13/81	5/13/81		

Data Needed to Further Evaluate Request

1. Typical weights for -

- a) fuel assemblies
- b) skeletons
- c) tubes
- d) end plugs (top & bottom)
- e) springs
- f) lift tools

2. Typical number of -

- a) regions on inventory
- b) assemblies in a region
- c) rods in an assembly
- d) tubes in a box
- e) boxes in a region
- f) end plugs in a lot (top & bottom)
- g) end plug lots in a region
- h) springs in a lot
- i) spring lots in a region

3. Typical bias of scales weighing assemblies and skeletons

4. Relative systematic and random error variances for the weight of assemblies and skeletons

5. Variances for -

- a) the average weight of:
 - 1) tubes in a box
 - 2) end plugs in a lot (top & bottom)
 - 3) springs in a lot
- b) the lift tool weight
- c) the bias of the scale used in weighing assemblies and skeletons