

FEB 6 1986

426.1 (A4171) 2/5/86

- 1 -

Dr. Charles G. Interrante  
Program Manager  
Corrosion Group - Metallurgy Division  
United States Department of Commerce  
National Bureau of Standards  
Gaithersburg, MD 20899

Dr. Interrante:

This is to request general technical assistance under Task 4 of FIN A-4171, "Evaluation and Compilation of DOE Waste Package Test Data." The general technical assistance consists of reviewing a topical report that purports to demonstrate that a process vessel (the Submerged Demineralizer System vessel) meets the requirements of a high integrity container (HIC) for burial at the Hanford commercial low-level radioactive waste burial site. The report is entitled, "SDS Liner Qualification as a High Integrity Container - Hanford Burial," and it was prepared by Nuclear Packaging, Inc. and issued November 20, 1984. A copy is enclosed.

Please assess the data presented in the topical report against specific criteria contained in item 4, paragraph (b) and (c) in the Technical Position on Waste Form for 10 CFR Part 61 (copy enclosed). If you feel that any confirmatory testing of the container materials is required, please propose such tests to us.

In the event that additional information is required about the HIC, please submit a request for the desired information to NRC for transmittal to the vendor that requested the review.

Please submit by March 7, 1986, your written assessment as to whether this topical report demonstrates that the vessel described meets the requirements of a HIC for burial at the Hanford commercial low-level radioactive waste burial site.

8604170617 860206  
PDR WMRES EUSNBS  
A-4171 PDR

WM-RES  
WM Record File  
A4171  
NBS

WM Project 10, 11, 16  
Docket No. \_\_\_\_\_  
PDR ✓  
LPDR ✓ (B, N, S)

Distribution:

(Return to WM, 623-SS)

(\*See previous concurrences)

OFC	:WMEG*	:WMEG*	:WMEG*	:	:	:	:
NAME	:EAWick:gh	:JVoglewede	:TCJohnson	:	:	:	:
DATE	:02/ /86	:02/ /86	:02/ /86	:	:	:	:

2819

FEB 6 1986

426.1/A4171/2/5/86

- 2 -

Actions resulting from this letter are considered to be within the scope of FIN A-4171-6. No changes to cost or delivery of contracted products are authorized. Please notify me immediately if you feel this letter will result in additional costs or delay in delivery of contracted products.

Sincerely,

ORIGINAL SIGNED BY

Everett A. Wick  
Engineering Branch  
Division of Waste Management

Enclosures:  
As stated

Distribution:  
WM FILE: 426.1  
WMEG  
NMSS  
REBrowning  
MJBell JTGreeves  
TCJohnson  
MSNataraja  
MTokar  
EAWick  
Materials Section  
JJlinehan  
JOBunting  
LBHigginbotham  
JStarmer  
MRKnapp

---

OFC	:WMEG	:WMEG	:WMEG	:	:	:	:
NAME	:EAWick:gh	:JVoglewede	:TCJohnson	:	:	:	:
DATE	:02/ /86	:02/ /86	:02/ /86	:	:	:	:

---

FEB 6 1986

426.1/A4171/2/5/86

- 1 -

Dr. Charles G. Interrante  
Program Manager  
Corrosion Group - Metallurgy Division  
United States Department of Commerce  
National Bureau of Standards  
Gaithersburg, MD 20899

Dr. Interrante:

This is to request general technical assistance under Task 4 of FIN A-4171, "Evaluation and Compilation of DOE Waste Package Test Data." The general technical assistance consists of reviewing a topical report that purports to demonstrate that a process vessel (the submerged Demineralizer System vessel) meets the requirements of a high integrity container (HIC) for burial at the Hanford commercial low-level radioactive waste burial site. The report is entitled, "SDS Liner Qualification as a High Integrity Container - Hanford Burial," and it was prepared by Nuclear Packaging, Inc. and issued November 20, 1984. A copy is enclosed.

Please assess the data presented in the topical report against specific criteria contained in item 4, paragraph (b) and (c) in the Technical Position on Waste Form for 10 CFR Part 61 (copy enclosed). If you feel that any confirmatory testing of the container materials is required, please propose such tests to us.

In the event that additional information is required about the HIC, please submit a request for the desired information to NRC for transmittal to the vendor that requested the review.

Please submit by March 7, 1986, your written assessment as to whether this topical report demonstrates that the vessel described meets the requirements of a HIC for burial at the Hanford commercial low-level radioactive waste burial site.

OFC :WMEG	<i>EAW</i>	:WMEG	<i>JW</i>	:WMEG	:	:	:	:
NAME :EAWick:gh	:JVoglewede	:TCJohnson	:	:	:	:	:	:
DATE :02/06/86	:02/06/86	:02/06/86	:	:	:	:	:	: