

SEP 20 1990

SGTB:HWL
71-5641

MEMORANDUM FOR: Nancy L. Osgood, SGTB, NMSS
FROM: Henry W. Lee, SGTB, NMSS
SUBJECT: STRUCTURAL REVIEW OF 8/20/90 APPLICATION FOR AMENDMENT TO
UNC-2500 SHIPPING PACKAGE CERTIFICATE

I have reviewed the application dated August 20, 1990, by UNC Naval Products for an amendment to the Certificate of compliance No. 5641.

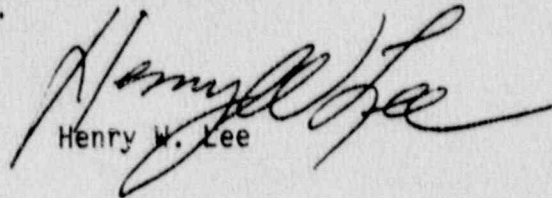
The requested amendment would allow wrapping one inch thick poly around the four longitudinal sides of an assembly to increase the separation between assemblies and act as poison materials to reduce reactivity. The poly is needed only for normal conditions of transport and assumed to be lost during the accident conditions.

The poly is retained around the assembly by stainless steel straps and structural angles as shown on UNC Naval Production Drawing No. E508232.

The applicant performed three drops on a single assembly. The first drop impacted on a longitudinal edge of the assembly. The second was an edge impact on one end. The third was an oblique corner impact at one end.

The three drop tests confirmed that no straps was broken and that the poly was retained along all four sides of the assembly with only less than one inch displacements.

The application has adequately demonstrated that the poly is retained under the normal conditions of transport.


Henry W. Lee

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