

NOV 7 1990

SGTB:CJW
71-9186

MEMORANDUM FOR: Nancy L. Osgood, SGTB, NMSS
FROM: Carl J. Withee, SGTB, NMSS
SUBJECT: CRITICALITY REVIEW FOR TRANSPORT OF S6W SHIPBOARD POWER UNIT IN S-6213 SHIPPING CONTAINER

By letter dated September 5, 1990, Naval Reactors requested that Certificate of Compliance No. 9186 be amended to include the S6W Shipboard Power Unit as authorized contents in the S-6213 PUSC.

The S6W Shipboard Power Unit is nearly identical to the S6W Prototype Power Unit that was approved on October 19, 1989. Although the Shipboard Power Unit contains slightly more fissile material than the Prototype Power Unit, the SAR for the Shipboard Power Unit relies upon the previous Prototype criticality analysis because that analysis conservatively used the fissile loading of the Shipboard Power Unit. A review of the SARs for the two units found that the differences between the two power units are not significant and the previous conclusion on criticality safety is still valid.

It is recommended that the Shipboard Power Unit be approved for shipment in the S-6213 shipping container. A copy of the criticality review memo for the Prototype Power Unit is attached.

Original Signed by
Carl J. Withee, SGTB, NMSS

Attachment:
As stated

Distribution:
NRC FC PDR
NMSS r/f
SGTB r/f
CWithee

OFC: SGTB <i>CJW</i>	:	:	:	:	:
NAME: CWithee	:	:	:	:	:
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