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Nuclear Materials Division
609 North Warren Avenue, Apollo, Pa. 15613
Telephone: (412) 842-0111

U.S. NUCLEAR REG.
COMMISSION
MAIL SECTION

April 29, 1980

Mr. Charles E. MacDonald, Chief
Transportation Certification Branch
Division of Fuel Cycle and Material Safety
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555



Docket No. 71-6400

Dear Mr. MacDonald:

In response to the request in your letter dated February 29, 1980, the following information is provided:

On April 23, 1980, Quality Assurance inspected the Model 6400, "Supertiger" shipping package identified as L-1, NUMEC property tag No. 202310, for conformance with Protective Packaging, Inc. Drawings No. 32106-1, Sheet 1, Revision F, and 32106, Sheet 2. Only those dimensions and characteristics which could be evaluated without dismantling the container were inspected. In addition, the container was examined to determine the extent of any damage or deterioration of the package and the presence of holes or cracks in the inner liner.

The attached inspection report lists the characteristics inspected, the drawing specification and the observed measurement. The measurements found to be outside the drawing tolerances are indicated.

A visual examination of the package revealed no cracks or holes in the inner liner of the package. However, several conditions were observed which require repair before the container is again used for nuclear material shipments.

- (1) The inner surface of the cap (outer door) will be scraped, new sealant applied and repainted.
- (2) The gasket on the inner surface of the cap will be replaced.
- (3) The gasket on the inner surface of the closure plate (inner door) will be reglued in several places.
- (4) The inner door gasket mating surface of the container will be scraped and repainted and the wood surface adjacent to the mating surface will be resealed and painted.

EXEMPT
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Babcock & Wilcox

Mr. Charles E. MacDonald

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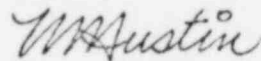
April 29, 1980

(5) The surfaces of the inner liner will be repainted.

The repairs listed above will be completed so that the package will be available for use upon authorization by the NRC. All repairs will be documented with a description of the materials used and the work performed. Quality Assurance will inspect the repair work to verify its conformance to the applicable drawing.

If you have any questions regarding this information, please contact either myself or Mr. R. M. Jackman, Manager of Quality Assurance.

Sincerely,



Michael A. Austin
Manager, Technical Control

MAA/mhb

Enc.

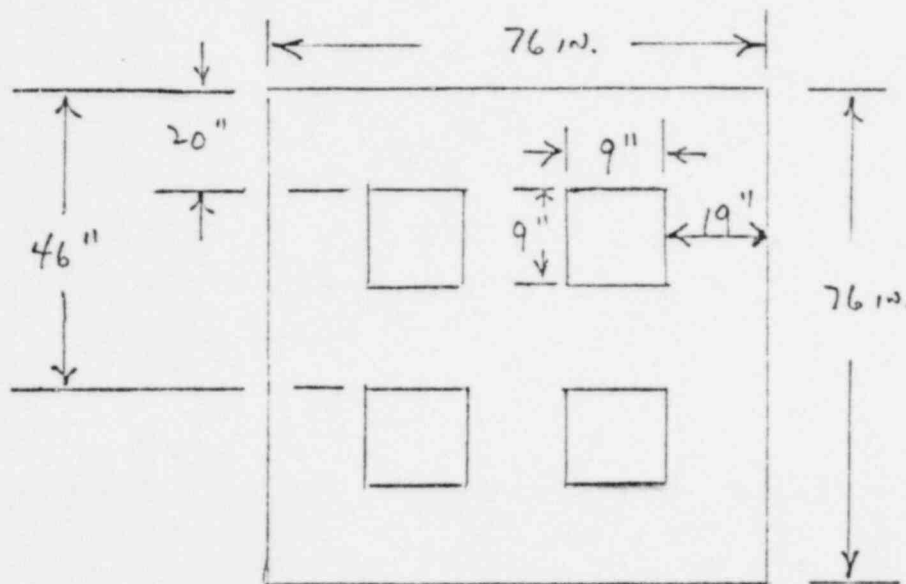
BABCOCK & WILCOX QUALITY CONTROL INSPECTION REPORT

ITEM: B&W Supertiger, Unit L-1, Property Tag #202310
 DWG.: 32106-1
 DATE: APRIL 23, 1980

CHARACTERISTIC	DWG. LOCATION	SPECIFICATION REQUIREMENT	INSPECTION RESULT	STATUS	
				ACCEPT	REJECT
1. Width ϕ to ϕ	D7	7 ft. 5 in. \pm 1/8 in.	7 ft.5 in.	x	
2. Length ϕ to ϕ	E6	19 ft.2 1/2" \pm 1/8 in.	19 ft.2 1/2 in.	x	
3. Overall Width	C7	96 in. ⁺⁰ / _{-3/16} in.	96 IN.	x	
4. Overall Height	D8	96 in. ⁺⁰ / _{-3/16} in.	96 IN.	x	
5. D1 - D2	E7	1/2" in. Max.	1/4 in.	x	
6. D3 - D4	D6	1/2" in. Max.	1/4 in.	x	
7. D5 - D6	D8	3/8" in. Max.	1/4 in.	x	
8. Vents		Closed (Note 7)	Vents Closed (All Sides)	x	
9. Internal Cavity Panel Flatness	G4	3/16 in. Max.	Sides = 1 in., Floor = 7/16 in.		x
10. External Container Panels Flatness	G5	1/4 in. Max.	35/64		x
11. Door Width	B5	34 1/4 in. \pm 1/8 in.	34 1/8 in.	x	
12. Overall Length	C6	238 1/2 in. ⁺⁰ / _{-1/4"}	238 1/4 in.	x	
13. Dowel Pin	B4	1 in. Dia. (4 Places)	1 in. Dia. (4 Places)	x	
14. Dowel Pin Length	C4	2 in. \pm 1/8 in.	1 3/8 in. Long		x
15. Corner Re-enforcement	C5	3" \pm 1/8 in x 18" \pm 1/8	3" x 18" (Typ. 8 Places)	x	
16. Bolt Pocket ϕ to ϕ	D4	22" \pm 1/8 in.	22 in	x	
17. Bolt Pocket Size	C4	6" \pm 1/8"	5 3/4"		x
18. Inside Cavity	D3	76" x 76" x 172" \pm 1/8	76" x 76" x 172"	x	
19. Container Length	B2	204 1/4" \pm 1/8"	204 1/8"	x	

GENERAL

1. Inside Cavity Door Contains 34 - 1/2 in. Dia. Bolts.
2. Inside Cavity Door Has Three Hinges.
3. Inside Cavity Door Plate Thickness is .255 in.
4. Inside Cavity Door Gasket Thickness is .260 in.
5. A Purge Hole is Present in the Center of the Inside Cavity Door.
6. Outer Container Door Plate Thickness is .370 in.
7. Outer Container Door has 14 - 1 in. Dia. Bolts.
8. Outer Container Door Has Two Hinges with a Grease Fitting in Each Hinge.
9. Plywood on the Inside of the Outer Door is .350 in. Thick.
10. All Welds Visually Examined and Appear Sound and Free of Cracks.
11. Four Re-enforcement Steel Plates are Welded on the Inside Cavity Back Wall.



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R. E. Abel 4-28-80

Q. A. SUPERVISOR
R. E. ABEL