



QSA GLOBAL

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25 September 2018

71-9314

Mr. Nishka Devaser
Project Manager
Spent Fuel Licensing Branch
U.S. Nuclear Regulatory Commission
Office of Nuclear Material Safety and Safeguards
Division of Spent Fuel Management
Mailstop 3 WFN-14A44
11555 Rockville Pike
One White Flint
Rockville, MD 20852

RE: USA/9314/B(U)-96 (Current Revision 8)


Dear Mr. Devaser:

After review of drawing R97600 Revision D, it was identified that Note 3 on Sheet 1 contained referenceⁱ information that is no longer accurate when assembling this package using RCLM011. This information was included as additional detail which was never intended as the primary means of assuring proper assembly. For this package assembly, the torque requirement in Note 3 ensures the package is assembled compliant for transport.

Enclosed is drawing R97600 Revision E which removes the parenthetical information from Note 3 on page 1. This change will have no impact on the package assembly or compliance to transport requirements since conformance is based on the clamp band bolt torque requirement, and not the clamp band gap which results after application of that required torque.

Should you have any additional questions or wish to discuss this request after receipt please feel free to contact me.


Sincerely,


e-Signed by Lori Podolak
on 2018-09-25 13:47:34 GMT

Lori Podolak
Senior RA/QA Specialist
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e-Signed by Michael Fuller
on 2018-09-25 14:07:41 GMT

RA/QA Approval & Date


e-Signed by Steve Grenier
on 2018-09-25 14:05:17 GMT

Engineering Approval & Date

NMSS01

Enclosure: R97600 Revision E

cc: ATTN: Document Control Desk
Spent Fuel Project Office
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
One White Flint
Rockville, MD 20852

ⁱ Reference as defined in ANSI Y14.5M-1982 Section 1.3.4 and NUREG/CR-5502 (May 1998) page 11.

976F	263 lbs	1000 CURIES	8-3/4 REF
976C	190 lbs	1250 CURIES	11 REF
976A	300 lbs	1000 CURIES	8-9/16 REF
MODEL CONFIGURATION	MAXIMUM PACKAGE WEIGHT	MAXIMUM PACKAGE CAPACITY (I-192)	DIMENSION "A"

AND

LID SCREWS	4	4	4	SEE NOTE 6
CLAMP BAND	1	1	1	SEE DRAWING RCLM009 OR RCLM011
SEAL WIRE	AR	AR	AR	STEEL
RIVETS	4	4	4	STAINLESS STEEL
NAMEPLATE	1	1	1	FIREPROOF STEEL
BOTTOM INNER SPACER	0	1	0	SEE SHEET 4
TOP INNER SPACER	0	4	4	SEE SHEET 4
BOTTOM INNER INSERT	0	1	1	SEE SHEET 2
TOP OUTER INSERT	1	1	1	SEE SHEET 3
BOTTOM OUTER INSERT	1	1	1	SEE SHEET 2
SHIELD ASSEMBLY MODEL 1911	0	0	1	SEE DRAWING R1911
SHIELD ASSEMBLY MODEL 3056	0	1	0	SEE DRAWING R3056
SHIELD ASSEMBLY MODEL 855	1	0	0	SEE DRAWING R85590
DRUM ASSEMBLY	1	1	1	SEE DRAWING R97608
PART NAME	976A	976C	976F	MATERIAL
	QTY			

1. MODEL 976 SERIES TRANSPORT PACKAGE CONSISTS OF 3 DIFFERENT MODEL CONFIGURATIONS.
2. NOTES APPLY TO ALL PAGES.
3. TORQUE CLAMP BAND BOLT TO 10±2 FT-LB.
4. MAXIMUM PACKAGE WEIGHT PER TABLE.
5. "REF" OR () DENOTES A REFERENCE DIMENSION - FOR GENERAL INFORMATION ONLY. ACTUAL DIMENSION ON FINISHED ITEM MAY FALL OUTSIDE TOLERANCES SHOWN ON THIS DRAWING.
6. 3/8-16 X 3/4 LONG LID SCREWS INSTALLED BEFORE 1-AUG-2008 ARE 300 SERIES STAINLESS STEEL WHILE SCREWS INSTALLED OR REPLACED ON OR AFTER 1-AUG-2008 ARE STAINLESS STEEL PER ASTM A193 GRADE B8 (304).



UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE INCHES, TOLERANCE ±1/8



QSA GLOBAL

DESCRIPTIVE DRAWING

40 NORTH AVE, BURLINGTON, MA 01803

TITLE **MODEL 976 TRANSPORT PACKAGE**


ERF #	APPROVALS	DATE
3849	<i>S. G...</i>	24 Sep 18
	<i>[Signature]</i>	24 Sep 18
	<i>[Signature]</i>	24 Sep 18

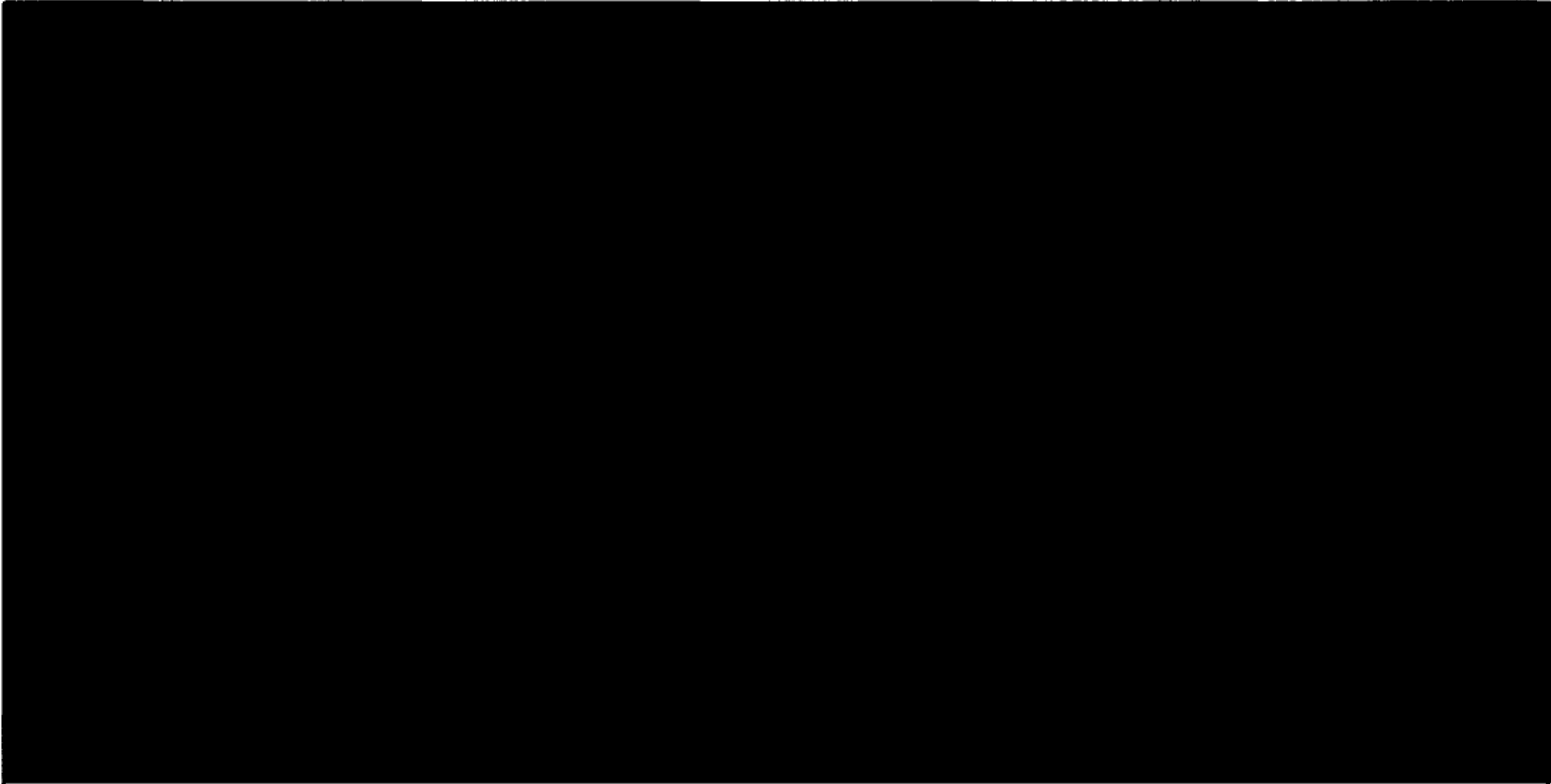
SIZE A	DWG. NO. R97600	REV E
	SCALE: NONE	

**SECTION A2-A2
BOTTOM OUTER INSERT**


976C BOTTOM INNER INSERT

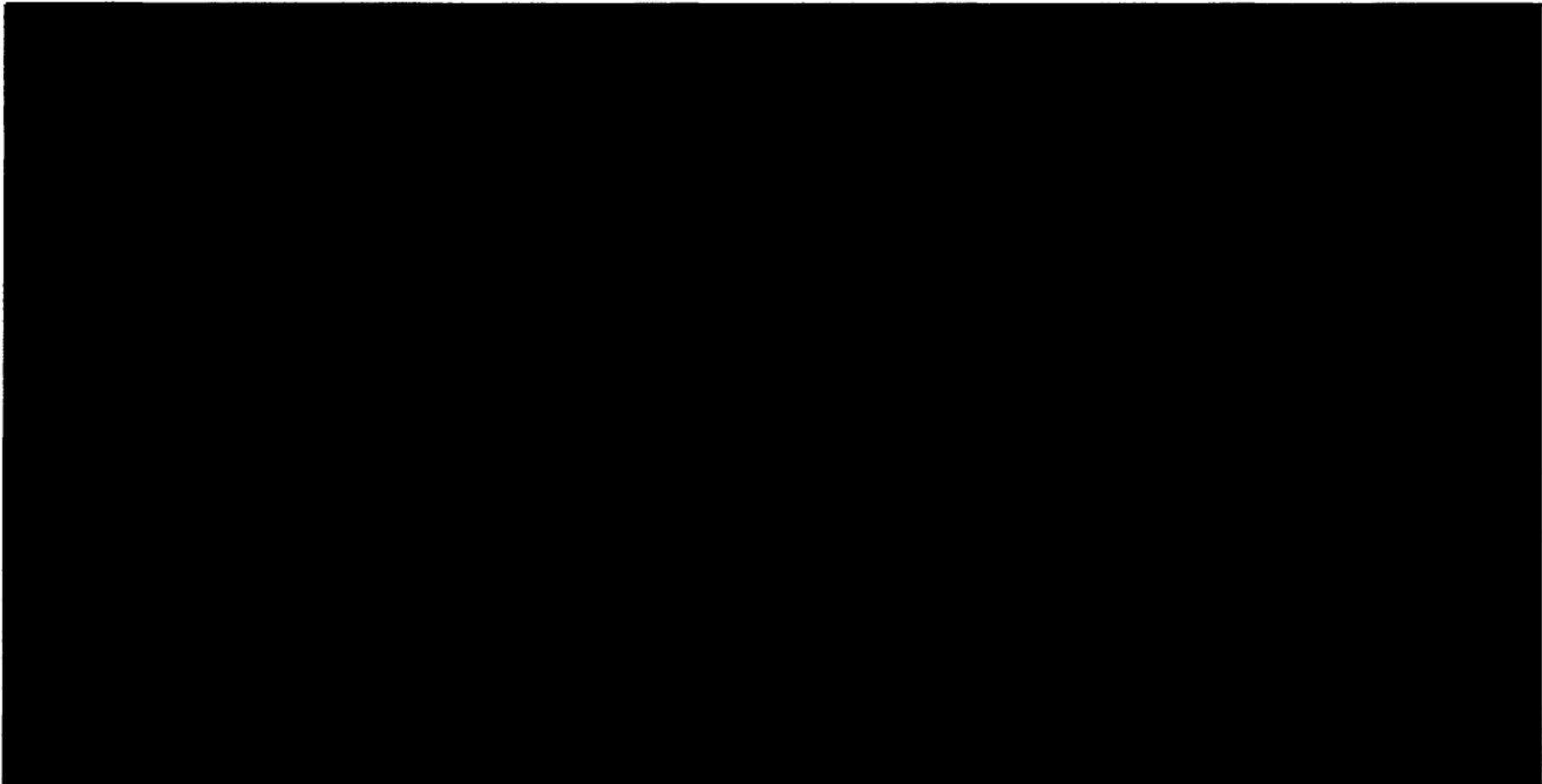
976 BOTTOM INSERTS

976F BOTTOM INNER INSERT		
976C BOTTOM INNER INSERT	CORK WITH UREA FORMALDEHYDE RESIN BINDER. DENSITY: 17 ± 2 LB./CU. FT.	
BOTTOM OUTER INSERT		
PART NAME	MATERIAL	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE INCHES, TOLERANCE ±1/8		
	QSA GLOBAL	DESCRIPTIVE DRAWING
40 NORTH AVE, BURLINGTON, MA 01803		
TITLE MODEL 976 TRANSPORT PACKAGE		
SIZE	DWG. NO. R97600	REV
A	SCALE: NONE	E
		SHEET 2 OF 4



TOP OUTER INSERT

976C TOP OUTER INSERT	CORK WITH UREA FORMALDEHYDE RESIN BINDER. DENSITY: 17 ± 2 LB./CU. FT.	
976A & 976F TOP OUTER INSERT		
PART NAME	MATERIAL	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE INCHES, TOLERANCE ±1/8		
	QSA GLOBAL	DESCRIPTIVE DRAWING
40 NORTH AVE, BURLINGTON, MA 01803		
TITLE MODEL 976 TRANSPORT PACKAGE		
SIZE	DWG. NO. R97600	REV
A	SCALE: NONE	E
		SHEET 3 OF 4



INNER SPACERS

976C & 976F TOP INNER SPACER		CORK WITH UREA FORMALDEHYDE RESIN BINDER. DENSITY: 17 ± 2 LB./CU. FT.
976C BOTTOM INNER SPACER		
PART NAME	MATERIAL	
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE INCHES, TOLERANCE ±1/8		
 QSA GLOBAL <small>40 NORTH AVE, BURLINGTON, MA 01803</small>		DESCRIPTIVE DRAWING
TITLE MODEL 976 TRANSPORT PACKAGE		
SIZE	DWG. NO. R97600	REV
A	SCALE: NONE	E
		SHEET 4 OF 4