



JAN 29 1990

71-9019  
GE Nuclear Energy

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| Log               | Jan-3-90 |
| Remitter          |          |
| Check No.         | 542744   |
| Amount            | 750      |
| Fee Category      | 10A      |
| Type of Fee       | and      |
| Date Check Rec'd. | 1/30/90  |
| Date Completed    | 1/30/90  |
| By:               | Mason    |

Nuclear Fuel & Components Manufacturing  
General Electric Company  
P.O. Box 780, Wilmington, NC 28402  
919 675-5000

January 26, 1990

RECEIVED  
90 JAN 30 P2:18  
U.S. NUCLEAR REGULATORY COMMISSION

Mr. Charles E. MacDonald, Chief  
Transportation Branch  
Division of Safeguards and Transportation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Request for "Letter Amendment" to NRC Certificate of Compliance USA/9019/AF for the BU-7 Shipping Package

Reference: Telephone conversation between Mr. R. Foleck (GE) and Mr. E. Easton (NRC), 1/24/90

Dear Mr. MacDonald:

General Electric's Nuclear Fuel and Components Manufacturing (NF&CM) hereby requests the NRC to issue a temporary letter amendment authorizing the use of an alternate specification for the gasket material used on the BU-7 shipping container. The gasket is used to seal the packaging's inner drum and is called out in GE's current licensing drawing 112D1592, Rev. 8. This request is being made due to the urgent need for gaskets to meet pending shipping schedules and due to the current lead time limitations to meet our scheduled shipments.

The duration for this letter amendment is requested to be from the NRC approval date until August 31, 1990, to allow: (1) immediate use of the alternate gasket material, and (2) adequate time for submittal of a normal change request of current NRC Certificate 9019 to include the requested silicone rubber specifications as an alternate gasket material.

The attached June 14, 1989, letter from Connecticut Hard Rubber (CHR) states that the silicone rubber used to fabricate the gaskets we are presently using (ZZ-R-765, Class 1a or 1b, Grade 50) is essentially the same as the proposed alternate (ZZ-R-765, Class 2a or 2b, Grade 50). We are also providing a recent January 25, 1990, letter from Southern Rubber Company, Inc., that identifies the specific properties of the two material classes. The letter also states that CHR Industries' materials meet or exceed the specification.

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PDR ADOCK 07109019  
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Mr. Charles E. MacDonald  
January 26, 1990  
Page 2

We request that this letter amendment be approved by mid-February since we will need to start using the new gaskets around the first of March.

Pursuant to 10 CFR 170.31, a check for \$150 is enclosed for this request.

If you have any questions or would like to discuss the matter further, please contact me on (919) 675-5461.

Sincerely,

GE NUCLEAR ENERGY

*SA Mallett for*  
T. Preston Winslow, Manager  
Licensing & Nuclear Materials Management

/sbm

cc: TPW-90-014



June 14, 1989

General Electric Company  
Mr. John Zidak  
P.O. Box 780  
Wilmington, North Carolina 28402

Dear Mr. Zidak:

This is in response to our telephone conversation on June 9, 1989 regarding the basic differences between our silicone rubber sheet products 9051 and 9050.

It is my understanding that the gaskets currently produced from 9051 are being replaced on an annual basis and since that will be an ongoing requirement it makes sense to use a less costly silicone rubber. The 9050 is an essentially equivalent product and in some instances a superior product. CHR's 9050 and 9051 are both produced to meet Federal Specification 22-R-765, the 9050 to Class 2a Grade 50 and the 9051 to Class 1a Grade 50. The primary difference is that 9051 has good flexibility at ultra low temperatures i.e. minus 130°F and the 9050 has superior high temperature resistance, having good stability at 500°F.

If I can be of any further assistance in supplying technical information on these or any other of CHR's silicone rubber products please don't hesitate to call.

Sincerely,

CHR INDUSTRIES, INC.

A handwritten signature in cursive script, appearing to read "Gregg Carrier".

Gregg Carrier  
Product Development Mgr., Rubber Products

GC/eeb

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JUN 30 1989  
U.S. INDUSTRIAL  
COMMISSION

SINCE 1925

# SOUTHERN RUBBER COMPANY, INC.

Mechanical Rubber Parts — Packings, Gaskets and Seals  
Rubber Clothing and Footwear — Molded Goods and Tubings  
"O" Rings, Silicone, Teflon, Viton and Plastics



AIRTEL CODE 818 — TELEPHONE 298-2406  
2209 PATTERSON STREET — BOX 7039  
GREENSBORO, NORTH CAROLINA 27417-0039



January 25, 1990

RECEIVED  
90 JAN 30 P2:17  
U.S. MAIL  
COMMISSION

General Electric Company  
Cape Fear Operations  
P. O. Box 2042  
Wilmington, NC 28402

Attention: Mr. John Jidak

Subject: 22-R-765C Specification

Dear John:

Per our conference telephone conversation of January 24, 1990 I am listing the two (2) materials in question. 22-R-765C Class 1A and 1B is described as Low Temperature Resistant. Class 2A and 2B is described as High Temperature Resistant. The Grade calls for Durometer. The physical properties are as follows:

|                               | Class 1A and 1B | Class 2A and 2B |
|-------------------------------|-----------------|-----------------|
| Durometer                     | 50 ± 5          | 50 ± 5          |
| Tensile                       | 700 P.S.I. Min. | 700 P.S.I. Min. |
| Elongation                    | 225% Min.       | 200% Min.       |
| Compression Set               | 35% Max.        | 35% Max.        |
| High Temperature °F.          | + 500 °F.       | + 500 °F.       |
| Low Temperature Brittle Point | - 103 °F.       | - 80 °F.        |

CHR Industries' Material 9051 which is grey in color meets or exceeds the specification for Class 1A and 1B. CHR Industries' Material 9050 which is rust/red in color meets or exceeds the specification for Class 2A and 2B.

I will send a copy of the Specification 22-R-765C Rev C via UPS Next Day Letter to you on Friday.

I hope this is the information you needed. If I can be of further service please feel free to call.

Sincerely,

D. K. Tomlinson