71-3042

AREVA

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RDM-06-005

May 16, 2006

U.S. Department of Transportation
Radioactive Materials Branch
400 Seventh Street SW
Washington, DC 20590

Attention: Richard W. Boyle, Chief
Radioactive Materials Branch

Subject: Revalidation of Japanese Competent Authority Certificate J/134/AF-96 (Dated February 14, 2006 for the Model No. NFI-V Package

Dear Mr. Boyle:

AREVA NP Inc., (AREVA) requests revalidation of Japanese Certificate of Approval of Package Design for the Transport of Radioactive Material J/134/AF-96 (Dated February 14, 2006) for the NFI-V Container. AREVA previously used the package in 2006 under DOT Competent Authority Certification USA/0542/AF-96, Revision 1 which was a revalidation of the Japanese Competent Authority Certificate J/134/AF-96, Revision 3. The expiration date of the current CAC was April 8, 2006. AREVA proposes that the expiration date for the CAC be extended to coincide with the expiration date (January 16, 2009) of the Japanese Certificate.

The package design has not changed since the prior approval by the Japanese Authority or the USDOT.

Enclosed in support of this request is a copy of the Japanese Certificate of Approval J/134/AF-96 (Dated February 14, 2006) in English (Attachment I).

AREVA requests revalidation by June 30, 2005 to support continued use through 2006.

If you or your staff have any questions, require additional information, or wish to discuss this further, please contact me at 434-832-5172 or Jim Davis at 509-375-8464. Please reference our unique document identification number in any correspondence concerning this letter.

Sincerely,

Richard D Montgomery

FRAMATOME ANP, INC An AREVA and Siemens company
1724 Mount Athos Road PO Box 11646 Lynchburg VA 24506-1646
Tel : (434) 832-5000 - Fax : (434) 832-5025 www.areva.com

NMSS01

AREVA NP Inc.,

RDM-06-005
May 16, 2006

Richard D. Montgomery, Advisory Engineer
Nuclear Criticality Safety & Shipping Containers

Cc:
Robert A. Nelson, Chief
Licensing Section
Spent Fuel Project Office
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Attachment I

Japanese Certificate of Approval J/134/AF-96
(February 14, 2006)
English Translation

経済産業省

１８原企課第７号
平成１８年2月１４日

原子燃料工業株式会社
取締役社長　岩田　善輔　殿

経済産業省原子力安全・保安院

企画調整課長　西山　英彦

核燃料管理規制課長　天野　雅徳

核燃料輸送物の設計承認英文証明書について

平成１８年1月２０日付け熊原第０６－０１２号をもって依頼のあった標記の件については、添付のとおり証明します。

IDENTIFICATION MARK
J/134/AF-96

COMPETENT AUTHORITY
OF
JAPAN

CERTIFICATE FOR APPROVAL OF PACKAGE DESIGN FOR THE TRANSPORT OF RADIOACTIVE MATERIAL

ISSUED BY

MINISTRY OF ECONOMY, TRADE AND INDUSTRY
1-3-1, KASUMIGASEKI, CHIYODA-KU
TOKYO, JAPAN

CERTIFICATE FOR APPROVAL OF PACKAGE DESIGN FOR THE TRANSPORT OF RADIOACTIVE MATERIAL

This is to certify, in response to the application by Nuclear Fuel Industries, Ltd., that the package design described herein complies with the design requirements for a package containing fissile uranium dioxide fuel assemblies, specified in the 1996 Edition (As Amended 2003) of the Regulations for the Safe Transport of Radioactive Material (International Atomic Energy Agency, Safety Standards Series No.TS-R-1) and the Japanese rules based on the Law for Regulation of Nuclear Source Material, Nuclear Fuel Material and Reactors.

This certificate doesn't relieve the consignor from compliance with any requirement of the government of any country through or into which the package will be transported.

COMPETENT AUTHORITY
IDENTIFICATION MARK : J/134/AF-96

Feb. 14 2006
Date

Masanori Amano
Director
Nuclear Fuel Transport and Storage Regulation Division
Nuclear and Industrial Safety Agency
Ministry of Economy, Trade and Industry
Competent Authority of Japan
for Package Design Approval

1. DESIGN APPROVAL NUMBER : J/134/AF-96

2. NAME OF PACKAGE : NFI-V

3. CATEGORY OF THE PACKAGE : Type A Fissile package

4. SPECIFICATION OF PACKAGING
   (1) Nuclear Fuel Package Over View : See the attached Figure 1
   (2) Total Weight of Nuclear Fuel Package : 3800 kg or less
   (3) Outer Dimension of Packaging
      (i) Length : Approximately 5180 mm
      (ii) Width : Approximately 1120 mm
      (iii) Height : Approximately 1140 mm
   (4) Material of Packaging : See the attached Table 1
   (5) Description of Nuclear Fuel Materials and so on
      : See the attached Table 2

5. RESTRICTIONS ON TRANSPORT
   (i) Restriction Number : Infinite
   (ii) Array : No Restriction
   (iii) Criticality Safety Index : 0

6. SPECIAL FEATURES IN THE CRITICALITY ASSESSMENT

   The subcriticality calculation is evaluated upon the assumption that the container is in immersion condition by water under the normal conditions and accident conditions in transport except inside of the fuel rods.

7. DESCRIPTION OF NON APPLICABLE DESIGN STANDARD OF TYPE BU FISSILE PACKAGE ABOUT TYPE BM FISSILE PACKAGE

Not applicable

8. INSTRUCTIONS ON USE AND MAINTENANCE OF PACKAGING

Execute a maintenance and the periodic inspection of the packaging used for the transportation of this package by the method indicated in safety analysis report of this package. And execute handling of the nuclear fuel package by the method indicated in safety analysis report of this package.

9. THE ISSUE DATE AND EXPIRY DATE OF CERTIFICATE

(1) Issue date : January 17, 2006
(2) Expiry date : January 16, 2009

Table 1. Material of Packaging

Construction	Material
Stacking Bracket	: Stainless Steel (SUS 304)
Upper Case, Lower Case	: Stainless Steel (SUS 304)
Heat Insulating Material	: Ceramic Fiber
Arched Cramp	: Stainless Steel (SUS 304)
Shock Mount	: Synthetic Rubber
U Support	: Stainless Steel (SUS 304)
Upper Gate	: Stainless Steel (SUS 304)
Gasket	: Synthetic Rubber
Skid	: Synthetic Rubber
Bolt and Nut	: Stainless Steel (SUS304, SUS310S) and Chromium Molybdenum Steel

Table 2. Description of Nuclear Fuel Materials and so on

Fuel Type		Fuel Assembly				Fuel rod Bundle (10×10)
		14×14	15×15	17×17		
				Type 64	Type 57	
(Per Packaging)						
Description		Fuel Assembly for PWR or Fuel Rod Bundle				
Physical State		Solid (UO_2 Pellet or Gadolinia - UO_2 Pellet)				
Weight	Fuels	2 or less				2 or less
	Weight of Fuels	1390kg or less				
	Weight of UO2	1090kg or less				
Total Activity		154GBq or less				
Initial Enrichment		5% or less				
Burn up Rate		0				
Total Heat Generation Rate		0				
Cooling Time		0				
(Per Fuel)						
Weight	Weight of Fuel	About 595 kg	About 680 kg	About 670 kg	About 695 kg	About 400 kg
	Weight of UO_2	About 465 kg	About 530 kg	About 515 kg	About 545 kg	About 260 kg
Specification of Impurities in Enriched Uranium		$^{232}U \square 2\times10^{-9}$ g/g^{235}U $^{234}U \square 1\times10^{-2}$ g/g^{235}U $^{236}U \square 5\times10^{-3}$ g/g^{235}U $^{99}Tc \square 2\times10^{-7}$ g/g^{235}U				

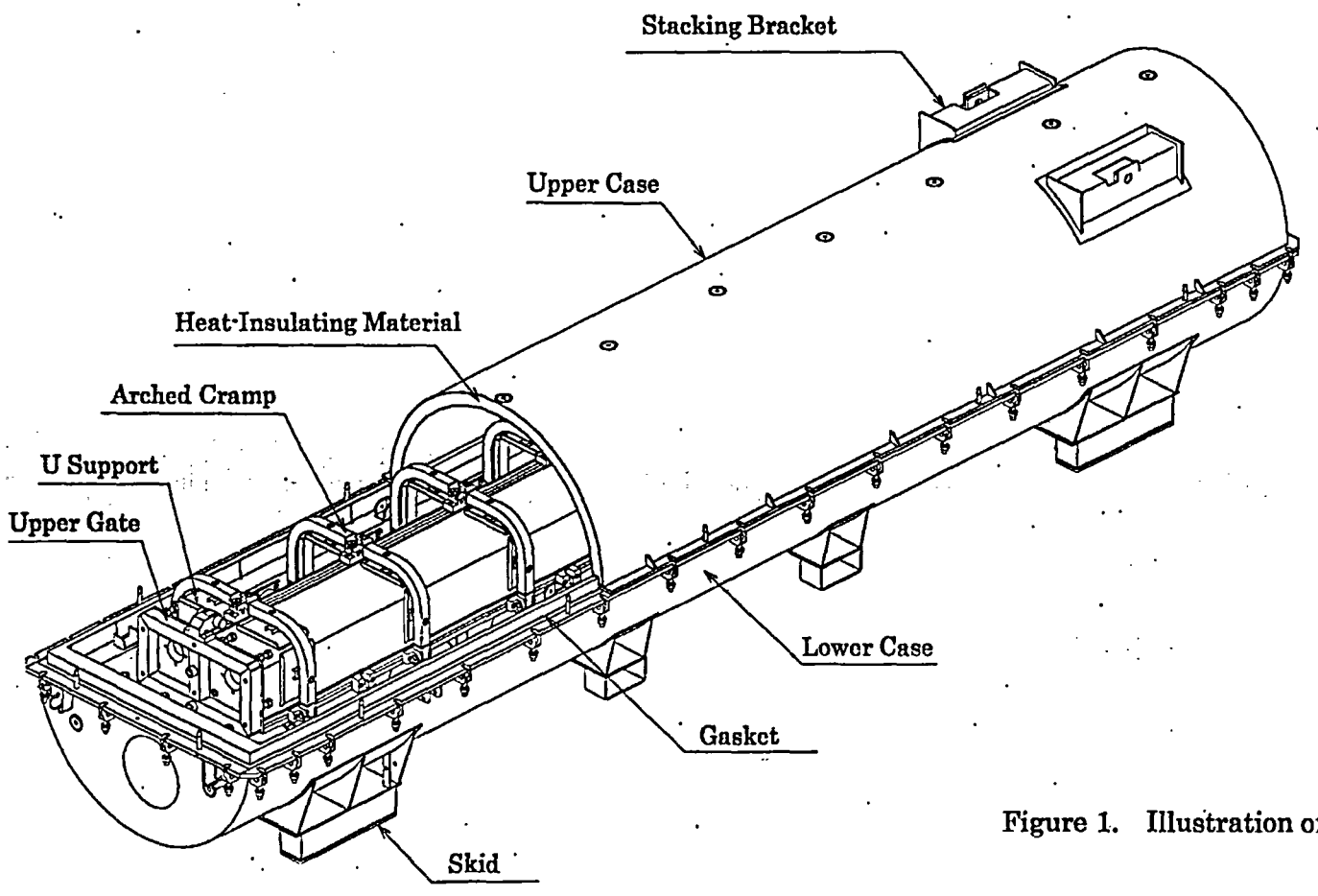

Figure 1. Illustration of the Package