



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

August 30, 2017

Mr. Gerard P. Van Noordennen
Vice President - Regulatory Affairs
EnergySolutions
151 Lafayette Drive, Suite 201
Oak Ridge, TN 37830

SUBJECT: RENEWAL OF INITIAL CERTIFICATE AND AMENDMENTS NO. 1 THROUGH 6
OF CERTIFICATE OF COMPLIANCE NO. 1007 FOR THE VSC-24 CASK
SYSTEM

Dear Mr. Van Noordennen:

As requested by your application dated October 12, 2012, enclosed are the renewed initial certificate and renewed Amendments No. 1 through 6, of Certificate of Compliance (CoC) No. 1007 for the VSC-24 Cask System. The certificates have been renewed for an additional 40-year term that expires on May 7, 2053, in accordance with the provisions of Part 72.240 of Title 10 of the *Code of Federal Regulations* (10 CFR 72.240). The renewal of these certificates constitutes the U.S. Nuclear Regulatory Commission's (NRC) approval for continued use of the VSC-24 Cask System for storage of spent nuclear fuel under the general licensing provisions of 10 CFR 72.210, subject to the conditions in the renewed certificate. These conditions require the implementation of an approved aging management program (AMP) to ensure that VSC-24 structures, systems, and components important to safety will continue to perform their intended functions during the extended storage period authorized by the renewal.

As stated in the Federal Register (82 FR 31433, July 7, 2017), the effective date of this CoC is September 20, 2017. The NRC staff's final safety evaluation report for the renewal of the certificates, and Appendix A, "Technical Specifications," for each renewed certificate are also enclosed. If you have any questions regarding the renewal of these certificates, please contact Mr. Jose Cuadrado at (301) 415-0606.

Sincerely,

/RA/

John McKirgan, Chief
Spent Fuel Licensing Branch
Division of Spent Fuel Management
Office of Nuclear Material Safety
and Safeguards

Docket No.: 72-1007
CAC No.: L24694

Enclosures:
See Attached List

RENEWAL OF INITIAL CERTIFICATE AND AMENDMENTS NO. 1 THROUGH 6 OF
CERTIFICATE OF COMPLIANCE NO. 1007 FOR THE VSC-24 CASK SYSTEM, DOCUMENT
DATE: August 30, 2017

DISTRIBUTION: (closes CAC No. L24694)

ADAMS:

SFM r/f

File Location:

G:/SFST/EnergySolutions/Renewal/Final Docs/Final Renewal Documents

ADAMS Package No.: ML17242A206

OFC:	SFM		SFM		SFM		SFM	
NAME:	JCuadrado	WWheatley			JMcKirgan			
DATE:	8/28/2017	8/29/2017			8/30/2017			

OFFICIAL RECORD COPY

List of Enclosures

1. Renewed Certificate of Compliance No. 1007, Initial Certificate
2. Conditions for Cask Use and Technical Specifications, Renewed Initial Certificate
3. Renewed Certificate of Compliance No. 1007, Amendment 1
4. Conditions for Cask Use and Technical Specifications, Renewed Amendment 1
5. Renewed Certificate of Compliance No. 1007, Amendment 2
6. Conditions for Cask Use and Technical Specifications, Renewed Amendment 2
7. Renewed Certificate of Compliance No. 1007, Amendment 3
8. Conditions for Cask Use and Technical Specifications, Renewed Amendment 3
9. Renewed Certificate of Compliance No. 1007, Amendment 4
10. Conditions for Cask Use and Technical Specifications, Renewed Amendment 4
11. Renewed Certificate of Compliance No. 1007, Amendment 5
12. Conditions for Cask Use and Technical Specifications, Renewed Amendment 5
13. Renewed Certificate of Compliance No. 1007, Amendment 6
14. Conditions for Cask Use and Technical Specifications, Renewed Amendment 6
15. Final Safety Evaluation Report for Renewal of Initial Certificate and Amendments 1 through 6 of CoC No. 1007 for the VSC-24 Cask System