

vented to the atmosphere, this pathway could contribute to an inadvertent release of radioactivity not previously accounted for in offsite dose calculations. Previously, the licensee had assumed no radiological consequences due to back-leakage. This revision adds the dose from RWST back-leakage to the LOCA analysis, as documented in the Final Safety Analysis Report (FSAR).

The proposed action is in accordance with the licensee's application for amendment dated May 7, 1998, as supplemented by letter dated January 22, 1999.

The Need for the Proposed Action

Pursuant to 10 CFR 50.59 licensees are required to obtain prior NRC approval of changes to the facility that involve an unreviewed safety question. The licensee determined that the back-leakage from RSS to the RWST involves an unreviewed safety question. Therefore, the licensee was required to obtain prior NRC approval for changes to the LOCA analysis and the FSAR to incorporate the dose consequences of the potential for back-leakage from the RSS to the RWST that had not been previously accounted for in offsite dose calculations.

Environmental Impacts of the Proposed Action

The NRC has completed its evaluation of the proposed action and concluded that the contribution to the LOCA dose to the thyroid (most limiting organ) from the RWST back-leakage as calculated by the licensee is small (2.1 rem at the Low Population Zone (LPZ) and 0.9 rem at the Control Room). When added to the licensee's previously calculated doses, the affected LOCA doses to the thyroid are 11 rem at the LPZ and 12 rem at the Control Room. The increase are small when compared to, and these results continue to meet the acceptance criteria in, 10 CFR Part 100 for the offsite dose consequences and in 10 CFR Part 50, Appendix A, General Design Criterion (GDC) 19 for the control room. All other offsite and control room doses were unchanged. On this basis the staff determined there is no significant radiological environmental impact.

The proposed action will not increase the probability or consequences of accidents, no changes are being made in the types of any effluents that may be released off site, and there is no significant increase in occupational or public radiation exposure. Therefore, there are no significant radiological environmental impacts associated with the proposed action.

With regard to potential non-radiological impacts, the proposed action does not involve any historic sites. It does not affect non-radiological plant effluents and has no other environmental impact. Therefore, there are no significant non-radiological environmental impacts associated with the proposed action.

Accordingly, the NRC concludes that there are no significant environmental impacts associated with the proposed action.

Alternatives to the Proposed Action

As an alternative to the proposed action the staff considered requiring the licensee to maintain zero back-leakage from the RSS to the RWST. Since this is the original analysis condition, this alternative is the same as the staff denying the proposed action (*i.e.*, the "no-action" alternative). Zero back-leakage cannot be ensured for the valves between the RSS and the RWST; therefore, this alternative is impractical. Denial of the proposed action would result in no change in current environmental impacts. The environmental impacts of the proposed action and the alternative action are similar.

Alternative Use of Resources

This action does not involve the use of any resources not previously considered in the "Final Environmental Statement Related to the Operation of Millstone Nuclear Power Station, Unit No. 3," dated December 1984 (NUREG-1064).

Agencies and Persons Consulted

In accordance with its stated policy, on September 23, 1999, the staff consulted with the Connecticut State official, Mr. Fred Scheuritzel of the Department of Environmental Protection, regarding the environmental impact of the proposed action. The State official had no comments.

Finding of No Significant Impact

On the basis of the environmental assessment, the NRC concludes that the proposed action will not have a significant effect on the quality of the human environment. Accordingly, the NRC has determined not to prepare an environmental impact statement for the proposed action.

For further details with respect to the proposed action, see the licensee's letter dated May 7, 1998, as supplemented by letter dated January 22, 1999, which are available for public inspection at the Commission's Public Document Room, The Gelman Building, 2120 L Street, NW., Washington, DC, and at the local

public document rooms located at the Learning Resources Center, Three Rivers Community-Technical College, 574 New London Turnpike, Norwich, Connecticut, and the Waterford Library, 49 Rope Ferry Road, Waterford, Connecticut.

Dated at Rockville, Maryland, this 22nd day of October 1999.

For the Nuclear Regulatory Commission.

John A. Nakoski, Sr.,

Project Manager, Section 2, Project Directorate 1, Division of Licensing Project Management, Office of Nuclear Reactor Regulation.

[FR Doc. 99-28228 Filed 10-27-99; 8:45 am]

BILLING CODE 7590-01-P

NUCLEAR REGULATORY COMMISSION

Selection of Sample Rate and Computer Wordlength in Digital Instrumentation and Control Systems, Availability of Draft NUREG for Comment

AGENCY: Nuclear Regulatory Commission.

ACTION: Notice of availability.

SUMMARY: The Nuclear Regulatory Commission is announcing the completion and availability of Draft NUREG-1709, "Selection of Sample Rate and Computer Wordlength in Digital Instrumentation and Control Systems," dated August 1999.

ADDRESSES: Draft NUREG-1709, is available for inspection and copying for a fee at the NRC Public Document Room, 2120 L Street NW (Lower Level), Washington DC 20555-0001. A free single copy of Draft NUREG-1709, to the extent of supply, may be requested by writing to Reproduction and Distribution Services Section, OCIO, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

FOR FURTHER INFORMATION CONTACT: Terry Jackson, Division of Engineering Technology, Office of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001. Telephone: 301-415-6486.

SUPPLEMENTARY INFORMATION: Digital sampling of analog signals adds two types of errors, aliasing and finite wordlength error, to the sampled version of the signal. Aliasing is characterized by high frequency components misrepresented as low frequency components in the sampled signal. It is greatly influenced by the sample rate, and may lead to degraded performance in monitoring, alarm, control, and protection systems. Since

computer wordlengths are finite in length, digital systems are limited in their capability to represent real number values. Finite wordlength errors related to round-off, truncation, and data conversion have the potential to adversely impact the performance of digital instrumentation and control (I&C) systems.

The Office of Nuclear Regulatory Research has investigated the technical bases and review guidance regarding aliasing and finite wordlength errors in nuclear facilities. Hazards associated with these errors are minimized through proper design and selection of sample rates and computer wordlengths. Draft NUREG-1709 provides the regulatory background, theoretical information, practical issues, best engineering practices, review guidance, and examples associated with sample rate and computer wordlength selection. This information is used by NRC staff to identify proper treatment of aliasing and finite wordlength error in digital I&C systems.

While draft NUREG-1709 is intended for NRC staff use, the NRC realizes that licensees and vendors may reference the NUREG for their particular I&C development. Because of its impact on I&C development, the NRC is requesting comments on draft NUREG-1709. The comment period will last until March 1, 1999, at which time the NRC will consider the comments and pursue a final version. To send comments on draft NUREG-1709, refer to the comment instructions at the front of the report. Comments may also be sent to the NRC Home page, as detailed below.

Electronic Access

Draft NUREG-1709, is available electronically by visiting NRC's Home Page (<http://www.nrc.gov>) and choosing "Reference Library," then "NRC (NUREG) report number," then "NRC Staff Reports," and then "NUREG-1709." Instructions for sending comments electronically are included with the document at the web site.

Dated at Rockville, Maryland, this 24th day of August, 1999.

For the Nuclear Regulatory Commission.

Sher Bahadur,

Chief, Engineering Research Applications Branch, Division of Engineering Technology, Office of Nuclear Regulatory Research.
[FR Doc. 99-28227 Filed 10-27-99; 8:45 am]

BILLING CODE 7590-01-P

SECURITIES AND EXCHANGE COMMISSION

[Rel No. IC-24106; File No: 812-11514]

JNL Variable Fun LLC; Notice of Application

October 21, 1999.

AGENCY: Securities and Exchange Commission ("SEC" or "Commission").

ACTION: Notice of application for an order under section (c) of the Investment Company Act of 1940 ("1940 Act" or "Act").

SUMMARY OF APPLICATION: Applicant seeks an order under Section 6(c) of the 1940 Act exempting Applicant and its series and any other open-end investment company or series thereof advised or managed by Jackson National Life Insurance Company ("JNL"), Jackson National Financial Services, LLC, or their affiliates, or any entities controlled by or under common control with JNL, and that follows an investment strategy that is the same as the JNL/First Trust Dow Target 5 Series ("DJIA 5 Series"), the JNL/First Trust Dow Target 10 Series ("DJIA 10 Series"), the JNL/First Trust Global Target 15 Series ("Target 15 Series"), or the JNL/First Trust S&P Target 10 Series ("S&P Target 10 Series") ("Future Companies"), from the provisions of section 12(d)(3) of the 1940 Act to the extent necessary to permit them to establish and maintain series which may invest up to 10.5% of their total assets (the DJIA 10 Series) or up to 20.5% of their total assets (the DJIA 5 Series) or up to 7 1/6% of their total assets (the Target 15 Series) or up to 10.5% of their total assets (the S&P Target 10 Series), in securities of issuers that derive more than (15%) of their gross revenues from securities related activities.

APPLICANT: JNL Variable Fund LLC.

FILED DATE: The application was filed on February 12, 1999, and amended on April 28, 1999, and September 3, 1999.

HEARING OR NOTIFICATION OF HEARINGS: An order granting the application will be issued unless the Commission orders a hearing. Interested persons may request a hearing on the application by writing to the Secretary of the Commission and serving Applicant with a copy of the request personally or by mail. Hearing requests must be received by the Commission by 5:30 p.m. on November 15, 1999, and must be accompanied by proof of service on the Applicant in the form of an affidavit or, for lawyer, a certificate of service. Hearing requests should state the nature of the interest, the reason for the

request, and the issues contested. Persons may request notification of hearing by writing to the Secretary of the SEC.

ADDRESSES: Secretary, SEC, 450 Fifth Street, NW., Washington, DC 20549-0609; Applicant, c/o Amy D. Eisenbeis, Esq., Jackson National Life Insurance Company 5901 Executive Drive, Lansing, Michigan 48911-5389.

FOR FURTHER INFORMATION CONTACT: Joyce Merrick Pickholz, Senior Counsel, or Kevin M. Kirchoff, Branch Chief, Office of Insurance Products, Division of Investment Management, at (202) 942-0670.

SUPPLEMENTARY INFORMATION: The following is a summary of the application. The complete application is available for a fee from the SEC's Public Reference Branch 450 Fifth Street, NW, Washington, D.C. 20549-0102 [tel (202) 942-8090].

Applicant's Representations

1. JNL is a stock life insurance company organized under the laws of the State of Michigan. JNL is licensed to transact life insurance and annuity business in the District of Columbia and all states except New York. JNL's ultimate parent is Prudential Corporation plc, a British financial services group.

2. Applicant is a Delaware limited liability company registered with the Commission as an open-end investment company. Applicant's 12 series, including the DJIA 5 Series, the DJIA 10 Series, the Target 15 Series and the S&P Target 10 Series (the DJIA 5 Series and the DJIA 10 Series, the "DJIA Series" together with the Target 15 Series and S&P Target 10 Series, "Series"), serve as underlying investment vehicles for variable annuity contracts offered by JNL through Jackson National Separate Account I ("JNL Account I"), a registered unit investment trust.

3. Jackson National Financial Services, LLC (the "Manager"), a wholly owned subsidiary of JNL, serves as applicant's investment adviser and in such capacity has responsibility for the overall management of the investment strategies and policies of Applicant and its series. The Manager has retained First Trust Advisers L.P. ("Sub-adviser") as sub-adviser for each of Applicant's series.

4. The DJIA 5 Series will invest approximately twenty percent (20%) of its total assets in the common stock of each of the five companies with the lowest per share stock price of the ten companies in the Dow Jones Industrial Average (the "DJIA") that have the highest dividend yield as of the close of