

Stephen A. Byrne
Senior Vice President, Nuclear Operations
803.345.4622



July 31, 2003
RC-03-0160

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Attention: Mr. Rajender Auluck

Ladies and Gentlemen:

Subject: VIRGIL C. SUMMER NUCLEAR STATION
DOCKET NO. 50/395
APPLICATION FOR RENEWED OPERATING LICENSE UPDATE

Reference: Letter from SCE&G (S. A. Byrne) to NRC (Document Control Desk) dated
August 6, 2002 (RC-02-0126)

By letter dated August 6, 2002, a submittal was made of an application for renewal of the Operating License for the Virgil C. Summer Nuclear Station (VCSNS).

During the NRC review of the License Renewal Application (LRA), VCSNS is required by 10 CFR 54.21(b) to report changes to the current licensing basis (CLB) that materially affect the contents of the LRA, including the Final Safety Analysis Report (FSAR) supplement.

VCSNS has completed the annual review, which was conducted for the period February 1, 2002, through May 1, 2003, and the following changes were identified:

1. An additional component type/material/environment combination of stainless steel tubing in fuel oil was identified in the Fire Service and Diesel Generator systems. This combination was evaluated and a determination was made that there were no aging effects requiring management and consequently there was no impact to program commitments.
2. During the course of the Staff review, additional programs were committed to for low signal instrumentation cables and inaccessible medium voltage cables not subject to qualification requirements in accordance with 10 CFR 50.49. These program descriptions are included in the attachment to this letter and will be incorporated into the FSAR supplement.

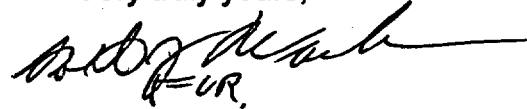
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No other changes were identified that materially affect the LRA or FSAR Supplement.

Should you have any questions, please call Mr. Al Paglia at (803) 345-4191.

Very truly yours,

A handwritten signature in black ink, appearing to read "Stephen A. Byrne".

Stephen A. Byrne

SAB/AMP/mbb
Attachment

c: N. O. Lorick
N. S. Carns
T. G. Eppink (w/o Attachment)
R. J. White
R. B. Clary
L. A. Reyes
K. R. Cotton
NRC Resident Inspector
R. C. Auluck
T. B. Doerr
T. P. O'Kelley
P. Ledbetter
K. M. Sutton
NSRC
File (821.00)
DMS (RC-03-0160)

18.2.43 Aging Management Program for Electrical Cables Not Subject to 10 CFR 50.49 Environmental Qualification Requirements Used in Instrumentation Circuits

The *"Aging Management Program for Electrical Cables Not Subject to 10 CFR 50.49 Environmental Qualification Requirements Used in Instrumentation Circuits"* provides for reasonable assurance that the intended functions of electrical cables that are not subject to the environmental qualification requirements of 10 CFR 50.49 and are used in instrumentation circuits with sensitive, low-level signals exposed to adverse localized environments caused by heat, radiation or moisture will be maintained consistent with the current licensing basis through the period of extended operation. In this aging management program, calibration results or findings of surveillance testing programs are used to identify the potential existence of aging degradation. This program applies to the in-scope instrumentation cables that are included in the circuit during loop calibrations.

This program will be implemented as appropriate at least once every 10 years. The initial implementation will be completed prior to the period of extended operation.

18.2.44 License Renewal Aging Management Program for Non-EQ Electrical Cables Used in Instrumentation Circuits

High-range-radiation and neutron flux monitoring instrumentation cables used in high voltage, low-level signal applications that are sensitive to reduction in insulation resistance for which calibrations are performed without the cable in the "loop calibration" circuit will be subject to the *"License Renewal Aging Management Program for Non-EQ Electrical Cables Used in Instrumentation Circuits"*. In this program, an appropriate test, such as an insulation resistance test, will be used to identify the potential existence of a reduction in cable insulation resistance. This program is an acceptable alternative to Aging Management Program Section 18.2.43.

This program will be implemented at least once every 10 years. The initial implementation will be completed prior to the period of extended operation.

**18.2.45 Aging Management Program for Inaccessible Medium-Voltage
Cables Not Subject to 10 CFR 50.49 Environmental Qualification
Requirements**

The purpose of this aging management program is to provide reasonable assurance that the intended functions of inaccessible medium-voltage cables that are not subject to the environmental qualification requirements of 10 CFR 50.49 and are exposed to adverse localized environments caused by moisture while energized will be maintained consistent with the current licensing basis through the period of extended operation.

In this aging management program periodic actions are taken to prevent or minimize the possibility that cables may be exposed to moisture, such as inspecting for water collection in cable manholes and conduit, and draining water, as needed. In-scope, medium-voltage cables exposed to moisture and significant voltage are tested to provide an indication of the condition of the conductor insulation. The initial test performed will be determined and completed prior to the period of extended operation, and is to be a proven test for detecting deterioration of the insulation system. In-scope, medium-voltage cables exposed to moisture and significant voltage are tested at least once every 10 years.