



March 28, 2022

L-2022-036  
10 CFR 72.48(d)(2)

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Director, Division of Spent Fuel Management  
Office of Nuclear Material Safety and Safeguards  
Washington, DC 20555-0001

Re: Florida Power & Light Company  
St. Lucie Nuclear Plant  
Independent Spent Fuel Storage Installation  
Docket No. 72-61  
Report of 10 CFR 72.48 Plant Changes

Pursuant to 10 CFR 72.48(d)(2), this report provides a summary of changes, tests and experiments for the St. Lucie Nuclear Plant Independent Spent Fuel Storage Installation (ISFSI) subject to evaluation in accordance with 10 CFR 72.48(c)(2) in the last 24 months. There was one ISFSI related change evaluated under the 10 CFR 72.48 process during the time period of February 25, 2020 through February 25, 2022.

Summary 10 CFR 72.48 Evaluation for LR-721030-471-00:

A procedural enhancement limited the lowest internal pressure of the dry storage canister (DSC) to 0.75 Torr during the vacuum drying process in order to eliminate the potential for reduction in thermal conductivity of helium within the DSC cavity.

Helium within the DSC cavity is relied on to maintain the maximum fuel cladding and other component temperatures below their allowable limits as noted in the ISFSI UFSAR, Section 4.5.1. The proposed activity had no effect on the design functions of the DSCs.

While this proposed change had a positive impact on controlling the heat transfer function, it was screened in as a procedure modification that fundamentally altered the existing means of performing or controlling design functions. Based on the responses to the eight criteria of 10 CFR 72.48 (c)(2), it was determined that a specific license amendment was not required prior to implementation of the proposed change.

Please contact me at 772-467-7435 with any questions regarding this submittal.

Sincerely,

A handwritten signature in black ink that reads "Wyatt Godes".

Wyatt Godes  
Licensing Manager  
St. Lucie Plant

WG/rcs

cc: USNRC Regional Administrator, Region II  
USNRC Senior Resident Inspector, St. Lucie Plant