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AUTH.NAME AUTHOR AFFILIATION
UHRIG,R.E. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
TEDESCO,R.L. Assistant Director for Licensing

SUBJECT: Forwards proposed revision to FSAR Section 3.9.3.2.3 re QA program for demonstrating long-term operability of deep draft pumps,in response to NRC request.Encl revision will be incorporated into next FSAR amend scheduled for 820531.

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FLORIDA POWER & LIGHT COMPANY

April 9, 1982
L-82-142

Mr. Robert L. Tedesco, Assistant Director for Licensing
Division of Licensing
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

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APR 12 1982
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TIDC

Dear Mr. Tedesco:

Re: St. Lucie Unit 2
Docket No. 50-389
<u>Long Term Operability of Deep Draft Pumps</u>

This letter is in response to your request for information demonstrating operability of deep draft pumps, received by Florida Power & Light Company on December 14, 1981.

We are enclosing herewith the proposed revision to the FSAR Section 3.9.3, which discusses our assurance program for demonstrating the long term operability of the deep draft pumps in St. Lucie Unit 2. This proposed revision to the FSAR Section 3.9.3 was developed and discussed with Mr. Robert LaGrange, Equipment Qualification Branch, who found it satisfactory. We will incorporate this in the next amendment of the FSAR which is scheduled for publication by May 31, 1982.

Very truly yours,

J. A. DeMastry
for

Robert E. Uhrig
Vice President
Advanced Systems and Technology

REU/RAK/ga

Enclosures

cc: Mr. James P. O'Reilly, Region II
Harold F. Reis, Esquire

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Enclosure

3.9.3.2.3 Deep Draft Pumps

St. Lucie Unit 2 has vertical deep draft pumps which are used in the Intake Cooking Water system. These pumps are manufactured by Byron Jackson (Model 37KXL) and are single stage, low head 14,500 GPM capacity, vertical circulator pumps, and are the only pumps of this type in safety related systems at this facility. The pumps are used for long term cooling.

The Intake Cooling Water Pumps at St. Lucie Unit 2 are required for normal plant operations as well as for long term accident conditions. There are three such pumps installed, two of which will run continuously during Modes 1 thru 5, and a third which is an installed spare able to provide flow should one of the other pumps fail. Continuous operation of two pumps provides positive indication of pump operability and availability for emergency situations, as well as longer run times for more accurate indentification of potential pump problems. All three pumps will be operated extensively during preoperational testing such that their operability will be assured prior to core load. These pumps will be placed in service prior to the RCS Cold Hydro date of April, 82 and will have accumulated at least 300 hours run time each prior to core load in Oct, 82. Based on the requirement for continuous pump operation and confidence in preoperational testing, additional testing of Intake Cooling Water Pumps per the NRC guidelines (R. L. Tedesco to R. E. Uhrig letter dated December 11, 1981) is not deemed necessary.