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FLORIDA POWER & LIGHT COMPANY

September 10, 1979
L-79-250

Central File
50-335

Mr. James P. O'Reilly, Director, Region II
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

Re: RII:JPO
50-335
IE Bulletin 79-15

We have reviewed the subject Bulletin regarding deep draft pumps,
and our response for the St. Lucie Unit 1 is attached.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/MAS/paf

Attachment

cc: Harold Reis, Esquire

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ATTACHMENT

Re: RII:JPO
50-335
IE Bulletin 79-15

A survey of safety related pumps at St. Lucie Unit 1 has shown that only the Intake Cooling Water System uses vertical deep draft pumps. Since these pumps are single-stage, low-head pumps, the Bulletin may not directly apply to them. However, they are deep draft pumps used for long term cooling, therefore, the following information is provided:

1. A total of four (4) deep draft pumps are used in safety related applications. Three (3) are installed and one (1) is a spare.
2. The pumps are Byron Jackson, Model #37KXL, single stage vertical circulator pumps, with 14,500 GPM capacity. They are used in the Intake Cooling Water System.
3. Pump dimensions are given on the attached drawing.
4. A survey of the turnover documentation and preoperational testing records showed no major problems with the ICW Pumps during startup or testing.

Routine maintenance consists mainly of packing adjustments and replacement.

5. Operational problems that have been encountered are fully documented by PC/M 232-77. Briefly they can be listed as:
 - (1) Damage to pump shafts.
 - (2) Damage to bearings.
 - (3) Damage to impeller (one occurrence).
 - (4) Damage to housing.

Corrective design and repair procedures are also documented by PC/M 232-77, which is available for review at the plant site.

6. Specific records are not maintained to document the intervals each pump is available for operation. Basically, these pumps are run continuously (2 pumps are required for Mode 1 operation) except for short periods of downtime for quarterly preventive maintenance (i.e., oil changes) and surveillance on the redundant pump. These pumps have run for up to a year without corrective maintenance, which demonstrates the long term operability and reliability of these pumps.

