Docket No.: 50-382

SEP 11 1984

Mr. R. S. Leddick
Senior Vice President - Nuclear Operations
Louisiana Power and Light Company
142 Delaronde Street
Post Office Box 6008
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Dear Mr. Leddick:

Subject: Pump and Valve Inservice Testing Program

EG&G, Idaho, under contract with the Mechanical Engineering Branch of the NRC, has been reviewing your pump and valve inservice testing program for the Waterford Steam Electric Station Unit 3. EG&G has generated a set of questions (Enclosure 1) to serve as an agenda for a working meeting at the Waterford 3 site.

In order to allow the review of this program to continue, we request that you contact the NRC project manager, J. Wilson, as soon as possible to arrange a working meeting at the Waterford 3 site.

Sincerely,

ORIGINAL SIGNED BY

George W. Knighton, Chief
Licensing Branch No. 3
Division of Licensing

Enclosure
As stated

cc: See next page

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Enclosure 1

WATERFORD 3

VALVE PROGRAM

A. General Questions and Comments

1. The NRC staff has determined that fast-acting valves are defined as those valves with stroke times of 2 seconds or less and that valves with stroke times greater than 2 seconds should be tested in compliance with IWV-3417.

2. Have stroke time limits been established for the power operated valves in the IST program?

B. Reactor Coolant

1. In reference to RR 3.1.4; does the proposed "Alternate Testing" mean that affected valves will be tested monthly during extended outages?

C. Chemical and Volume Control System

1. What is the boron concentration in the RWSP as compared to the CVCS during normal operation? (Reference RR 3.1.5 and 3.1.6 concerning CVC-507 and CVC-508)

2. Should CVC-508 be Category C instead of Category B?

D. Safety Injection

1. Review the safety function of valves SI-138A, SI-138B, SI-139A, and SI-139B to determine if they should be categorized A.

2. How are check valves SI-201A and SI-201B full-stroke exercised?

3. How are the systems aligned to utilize charging flow to partial-stroke exercise valves SI-216, SI-207A, SI-207B, and SI-207A/B? (Reference RR 3.1.14)

4. Review the safety function of valves SI-225A, SI-225B, SI-226A, SI-226B, SI-227A, SI-227B, SI-228A, and SI-228B to determine if they should be categorized A.

5. Do Category A/C valves SI-241, SI-242, SI-243, SI-244, SI-142A, SI-142B, SI-143A, and SI-143B perform a containment isolation function in addition to a pressure isolation function?

6. In reference to RR 3.1.16, the NRC position is that valve disassembly is an acceptable means of full-stroke exercising and should be performed at each refueling outage.

7. Is Category A valve SI-343 leak tested? Does valve SI-344 perform a containment isolation function?

8. Do Category A valves SI-405A and SI-405B perform a containment isolation function?

9. Review the safety function of valves SI-407A and SI-407B to determine if they should be categorized A.

10. Do Category A/C valves SI-510A and SI-510B perform a containment isolation function?

11. Review the safety function of valves SI-602A and SI-602B to determine if they should be categorized A.

12. How is full design basis flow verified through valves SI-604A and SI-604B?

13. Review the safety function of valves SI-506A and SI-506B to determine if they should be categorized A.

14. Review the safety function of the following valves to determine if they perform a containment isolation function and should be categorized accordingly and included in the IST program.

1SI-V2510-1 (H-6)
1SI-V1592-1 (G-6)
1SI-V1592-2 (F-6)
1SI-V1592-3 (E-6)
1SI-V1592-4 (C-6)
1SI-V1592-5 (B-6)
1SI-V1592-6 (A-6)
1SI-V2510-2 (A-6)

E. Containment Spray

1. How are valves CS-111A, CS-111B, CS-117A, and CS-117B full-stroke exercised?

2. Review the safety function of valves CS-125A and CS-125B to determine if they should be categorized A.

3. Does the air test performed at refueling outages full-stroke exercise valves CS-128A and CS-128B? Do these valves perform a containment isolation function?

4. Review the safety function of valves CS-129A (G-13) and CS-129B (F-13) to determine if they should be included in the IST program and categorized A.

F. Main Steam

1. Is the steam demand of EFW pump A/B the same during the quarterly test as when injecting to the steam generators? Does the quarterly pump test full-stroke exercise check valves MS-402A and MS-402B?

G. Chilled Water

1. Are valves CHW-129A, CHW-129B, and CHW-129 A/B modulating valves?

H. Component Cooling Water

1. Review the safety function of valves CC-641 and CC-713 to determine if they should be categorized A.

2. Review the safety function of valves CC-807A, CC-807B, CC-808A, CC-808B, CC-822A, CC-822B, CC-823A, and CC-823B, to determine if they should be categorized A.

I. Air Conditioning

1. Annulus Negative Pressure

   a. Review the safety function of valves ANP-101 and ANP-102 to determine if they should be categorized A, passive.

2. Shield Building Ventilation

a. Have valves SBV-115A and SBV-115B been removed from the system?

J. Instrument Air

1. Identify the equipment affected if instrument air were lost to the containment. (Reference RR 3.1.32)

K. Station Air

1. Provide P&ID LOU-1564-G-157, Sheet 2 for our review at the working meeting.

L. Nitrogen Gas

1. Provide P&ID LOU-1564-G-166, Sheet 1 for our review at the working meeting.

M. Hydrogen Recombiner and Analyzer

1. Provide P&ID LOU-1564-B-430-SP-01 for our review at the working meeting.