



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

March 9, 1993
3N0393-18

Mr. P. S. Walsh
B&W Owners Group
1700 Rockville Pike
Suite 525
Rockville, MD. 20852

Subject: Post-LOCA Reactor Vessel Recirculation to Avoid Boron
Precipitation

- References: A) BWNT Letter (JHT/92-186) to A. C. Thadani, dated
November 7, 1991, re: Post-LOCA Boron Precipitation
- B) BWOG Letter (OG-1136) to A. C. Thadani, dated
February 4, 1993, re: Post-LOCA Boron Precipitation

Dear Mr. Walsh:

The purpose of this letter is to acknowledge your response to our concerns regarding the adequacy of post-LOCA recirculation for B&W nuclear plants. During a meeting on December 3, 1992, you provided us with the results of your analyses which demonstrate that gaps between the reactor outlet nozzles and the reactor internals provide an adequate backup to the primary recirculation flow path and, aside from procedure changes, you currently consider this issue to be resolved. We have reviewed the results of your analyses and we agree with your position on this matter.

Thank you for your prompt attention in addressing our concerns.

Sincerely,

Ashok C. Thadani, Director
Division of Systems Safety and Analysis
Office of Nuclear Reactor Regulation

9304190068 XA

MAR-16-1993 18:58

B&W Nuclear Rockv MD

P. 23

- 2.C.(4) Until permanent modifications, submitted for review and approved by the Commission, have been made to the chemical additive system, Florida Power Corporation shall isolate the sodium tiosulfate addition tank from the plant system by locking closed the valves (BVS-97 and BVS-98) in the tank discharge line. Within nine months of the date of issuance of this license, Florida Power Corporation shall submit modifications, including proposed changes to the plant Technical Specifications, which shall be installed prior to or during the first refueling outage.
- 2.C.(5) within six months of the date of issuance of this license, Florida Power Corporation shall complete modifications to the level indication of the borated water storage tank, ~~installation and testing of flow indicators in the emergency core cooling system to provide indication of 40 gallons per minute flow for boron dilution,~~ and installation of dual setpoint pilot-operated relief valve on the pressurizer.
- 2.C.(6) Prior to startup following the first regularly scheduled refueling outage, Florida Power Corporation shall install, to the satisfaction of the Commission, a long-term means of protection against reactor coolant system over-pressurization.
- 2.C.(7) Prior to startup following the first regularly scheduled refueling outage, Florida Power Corporation shall modify to the satisfaction of the Commission, the reactor coolant system flow indication to meet the single failure criterion with regard to pressure sensing lines to the flow differential pressure transmitters.
- 2.C.(8) within three months of issuance of this license, Florida Power Corporation shall submit to the Commission a proposed surveillance program for monitoring the containment for the purpose of determining any future delamination of the dome.

MICROFILMED