



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

March 11, 1988

Docket No. 50-302

Mr. W. S. Wilgus  
Vice President, Nuclear Operations  
Florida Power Corporation  
ATTN: Manager, Nuclear Licensing  
P. O. Box 219  
Crystal River, Florida 32629

Dear Mr. Wilgus:

SUBJECT: FEBRUARY 28, 1988 EVENT AT CRYSTAL RIVER UNIT 3

Because the subject transient occurred so close to the completion of the B&W Reassessment, we believe it is important that we fully understand the event, plant design, and plant operations as they could reflect on the reassessment conclusions. In order to assist us in reaching such understanding in a timely manner, we would appreciate your providing answers to the following questions by March 25, 1988, either in writing or at a meeting at White Flint.

1. Explain ICS control of MFW between 0% and 100% power. Specifically,  
(a) MFW pump speed control vs. MFWS valve delta P control vs. OTSG level control of MFW flow; (b) when the different MFWS flow paths are used;  
(c) typical transfer points between flow paths and control modes; and  
(d) the interlock between the MFW block valves and cross-tie valves, and its basis.
2. Is turbine trip on reactor trip safety related? Why/Why not?
3. Would installation of diverse turbine trip circuitry required by the ATWS Rule (10 CFR 50.62) have provided turbine trip given failure of trip solenoid?
4. Is the existing MFW flow control scheme, including flow paths, the original installed design? If not, describe the original design and the reason(s) for the design change.
5. Provide P&IDs for the main feedwater system and ICS system schematics.
6. During the event, automatic trip of the turbine on reactor trip did not occur. Discuss how the plant would have responded if the operator had not taken prompt action to effectively isolate this turbine.

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PDR ADOCK 05000302  
S PDR

Mr. W. S. Wilgus  
Florida Power Corporation

Crystal River Unit No. 3 Nuclear  
Generating Plant

cc:

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Mr. W. S. Wilgus

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7. How would this transient be categorized using the SPIP designations?
8. What, if any, SPIP recommendations would have prevented, or mitigated, the event? Are there any SPIP recommendations which could have had an adverse effect on the transient.

Please contact me if you have any questions regarding this request, and to arrange a meeting if you prefer to respond in that manner.

Sincerely,

Original signed by

Harley Silver, Project Manager  
Project Directorate II-2  
Division of Reactor Projects-I/II  
Office of Nuclear Reactor Regulation

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